

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009511.D
 Acq On : 11 Jul 2022 15:33
 Operator : KP/MD
 Sample : VY0711SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0711SBS02

Quant Time: Jul 12 05:03:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	159832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	237872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	215203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49364	42.928	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.860%		
35) Dibromofluoromethane	7.710	113	57518	45.955	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.920%		
50) Toluene-d8	10.173	98	156654	44.807	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	89.620%		
62) 4-Bromofluorobenzene	12.477	95	101670	57.546	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	115.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25306	20.646	ug/l	96
3) Chloromethane	2.107	50	25984	18.983	ug/l	97
4) Vinyl Chloride	2.241	62	33592	21.556	ug/l	97
5) Bromomethane	2.619	94	22528	20.122	ug/l	85
6) Chloroethane	2.772	64	18758	20.617	ug/l	98
7) Trichlorofluoromethane	3.113	101	47580	22.868	ug/l	96
8) Diethyl Ether	3.521	74	15189	19.081	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.881	101	28931	20.523	ug/l	91
10) Methyl Iodide	4.076	142	30718	19.029	ug/l	91
11) Tert butyl alcohol	4.960	59	15144	55.219	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	24790	18.960	ug/l #	71
13) Acrolein	3.723	56	4928	64.498	ug/l	97
14) Allyl chloride	4.472	41	34788	15.464	ug/l #	91
15) Acrylonitrile	5.149	53	37110	84.726	ug/l	98
16) Acetone	3.948	43	30901	79.475	ug/l	99
17) Carbon Disulfide	4.180	76	51595	15.246	ug/l	96
18) Methyl Acetate	4.466	43	19943	17.469	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	74554	18.839	ug/l	94
20) Methylene Chloride	4.704	84	36779	16.844	ug/l #	80
21) trans-1,2-Dichloroethene	5.210	96	27277	17.804	ug/l #	78
22) Diisopropyl ether	6.112	45	79324	16.586	ug/l #	91
23) Vinyl Acetate	6.051	43	245872	73.123	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	48194	17.869	ug/l	99
25) 2-Butanone	6.978	43	48679	77.394	ug/l #	78
26) 2,2-Dichloropropane	6.972	77	51163	19.247	ug/l	95
27) cis-1,2-Dichloroethene	6.972	96	34012	18.857	ug/l	85
28) Bromochloromethane	7.320	49	17536	15.469	ug/l #	65
29) Tetrahydrofuran	7.338	42	31171	76.621	ug/l #	84
30) Chloroform	7.496	83	53608	18.161	ug/l	100
31) Cyclohexane	7.771	56	38462	14.668	ug/l	89
32) 1,1,1-Trichloroethane	7.691	97	51316	19.718	ug/l	94
36) 1,1-Dichloropropene	7.911	75	36835	18.077	ug/l	93
37) Ethyl Acetate	7.063	43	20648	16.166	ug/l #	90
38) Carbon Tetrachloride	7.893	117	47083	21.605	ug/l	95
39) Methylcyclohexane	9.179	83	43065	17.607	ug/l	86
40) Benzene	8.155	78	108609	18.151	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009511.D
 Acq On : 11 Jul 2022 15:33
 Operator : KP/MD
 Sample : VY0711SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0711SBS02

Quant Time: Jul 12 05:03:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	11414	17.209	ug/l #	36
42) 1,2-Dichloroethane	8.228	62	35314	19.658	ug/l	91
43) Isopropyl Acetate	8.264	43	40270	16.897	ug/l #	88
44) Trichloroethene	8.935	130	36559	21.628	ug/l	92
45) 1,2-Dichloropropane	9.209	63	26554	17.536	ug/l	98
46) Dibromomethane	9.295	93	18287	20.576	ug/l	96
47) Bromodichloromethane	9.490	83	43427	20.529	ug/l	97
48) Methyl methacrylate	9.289	41	17249	16.799	ug/l #	83
49) 1,4-Dioxane	9.289	88	5244	400.659	ug/l #	85
51) 4-Methyl-2-Pentanone	10.063	43	106192	84.729	ug/l	90
52) Toluene	10.240	92	72953	19.133	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	41962	18.824	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	46919	18.875	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	26591	20.739	ug/l	93
56) Ethyl methacrylate	10.508	69	30975	18.197	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	40692	19.252	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	73210	88.040	ug/l	90
59) 2-Hexanone	10.831	43	74818	86.150	ug/l	92
60) Dibromochloromethane	10.977	129	32613	21.005	ug/l	98
61) 1,2-Dibromoethane	11.087	107	24429	19.874	ug/l	97
64) Tetrachloroethene	10.715	164	41348	22.980	ug/l	96
65) Chlorobenzene	11.514	112	86173	20.388	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	39398	24.780	ug/l	98
67) Ethyl Benzene	11.587	91	180909	24.518	ug/l	96
68) m/p-Xylenes	11.697	106	143429	49.841	ug/l	92
69) o-Xylene	12.026	106	66306	24.038	ug/l	95
70) Styrene	12.038	104	113472	24.629	ug/l	97
71) Bromoform	12.203	173	24833	24.506	ug/l #	100
73) Isopropylbenzene	12.325	105	180238	19.534	ug/l	99
74) N-amyl acetate	12.142	43	53755	20.476	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.575	83	33890	18.344	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	25982m	18.192	ug/l	
77) Bromobenzene	12.605	156	44346	19.742	ug/l	93
78) n-propylbenzene	12.666	91	221172	19.841	ug/l	98
79) 2-Chlorotoluene	12.751	91	123952	19.861	ug/l	95
80) 1,3,5-Trimethylbenzene	12.806	105	156554	20.299	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	13060	18.715	ug/l	88
82) 4-Chlorotoluene	12.849	91	130390	19.936	ug/l	97
83) tert-Butylbenzene	13.075	119	136389	19.877	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	154178	20.084	ug/l	96
85) sec-Butylbenzene	13.251	105	206807	20.465	ug/l	98
86) p-Isopropyltoluene	13.367	119	175599	20.847	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	90491	20.409	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	91461	20.381	ug/l	99
89) n-Butylbenzene	13.690	91	164968	20.973	ug/l	98
90) Hexachloroethane	13.959	117	32879	19.894	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	82903	20.407	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6711	20.725	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	48603	19.616	ug/l	99
94) Hexachlorobutadiene	15.105	225	27655	20.302	ug/l	98
95) Naphthalene	15.233	128	102092	19.929	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	42988	20.032	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009511.D
 Acq On : 11 Jul 2022 15:33
 Operator : KP/MD
 Sample : VY0711SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
ClientSampleId :
 VY0711SBS02

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 05:03:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

