

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042922\
 Data File : VY008556.D
 Acq On : 29 Apr 2022 13:53
 Operator : KP/MD
 Sample : VY0429SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Quant Time: Apr 29 15:33:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	109702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	184490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	168962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55155	42.730	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.460%		
35) Dibromofluoromethane	7.716	113	57942	48.664	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.320%		
50) Toluene-d8	10.179	98	226704	47.874	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.740%		
62) 4-Bromofluorobenzene	12.483	95	104471	65.161	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	130.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18890	18.962	ug/l	99
3) Chloromethane	2.113	50	33952	21.659	ug/l	97
4) Vinyl Chloride	2.253	62	46803	22.977	ug/l	99
5) Bromomethane	2.643	94	42472	22.425	ug/l	97
6) Chloroethane	2.790	64	31448	23.207	ug/l	100
7) Trichlorofluoromethane	3.125	101	66247	31.396	ug/l	95
8) Diethyl Ether	3.527	74	12234	16.846	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.893	101	24148	19.225	ug/l	94
10) Methyl Iodide	4.094	142	24154	15.793	ug/l	92
11) Tert butyl alcohol	4.948	59	11882	73.667	ug/l	100
12) 1,1-Dichloroethene	3.869	96	22664	19.112	ug/l #	77
13) Acrolein	3.728	56	10554	76.798	ug/l	100
14) Allyl chloride	4.472	41	28763	18.583	ug/l #	86
15) Acrylonitrile	5.161	53	27184	73.208	ug/l	96
16) Acetone	3.948	43	20806	69.204	ug/l	92
17) Carbon Disulfide	4.192	76	66682	18.599	ug/l	98
18) Methyl Acetate	4.472	43	12242	14.519	ug/l #	81
19) Methyl tert-butyl Ether	5.216	73	59623	15.890	ug/l	95
20) Methylene Chloride	4.716	84	40062	22.190	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	26671	18.437	ug/l #	81
22) Diisopropyl ether	6.118	45	65305	17.471	ug/l #	94
23) Vinyl Acetate	6.057	43	206821	80.705	ug/l #	89
24) 1,1-Dichloroethane	6.021	63	42921	18.447	ug/l	97
25) 2-Butanone	6.984	43	33375	71.755	ug/l #	82
26) 2,2-Dichloropropane	6.978	77	41840	19.416	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	29913	18.078	ug/l	83
28) Bromochloromethane	7.332	49	14995	15.977	ug/l #	72
29) Tetrahydrofuran	7.350	42	21749	72.599	ug/l #	77
30) Chloroform	7.508	83	47136	18.440	ug/l	100
31) Cyclohexane	7.783	56	39891	18.799	ug/l #	85
32) 1,1,1-Trichloroethane	7.703	97	42938	19.184	ug/l	95
36) 1,1-Dichloropropene	7.917	75	36250	19.140	ug/l	97
37) Ethyl Acetate	7.069	43	16047	15.320	ug/l #	90
38) Carbon Tetrachloride	7.898	117	38456	19.543	ug/l	98
39) Methylcyclohexane	9.185	83	46653	19.238	ug/l #	84
40) Benzene	8.161	78	103512	18.733	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042922\
 Data File : VY008556.D
 Acq On : 29 Apr 2022 13:53
 Operator : KP/MD
 Sample : VY0429SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Quant Time: Apr 29 15:33:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/02/2022
 Supervised By : Mahesh Dadoda 05/02/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	7960	15.671	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	30159	18.129	ug/l	93
43) Isopropyl Acetate	8.270	43	30050	15.599	ug/l #	88
44) Trichloroethene	8.941	130	29843	19.604	ug/l	97
45) 1,2-Dichloropropane	9.215	63	24930	18.788	ug/l	97
46) Dibromomethane	9.307	93	15208	16.359	ug/l	95
47) Bromodichloromethane	9.496	83	35396	17.937	ug/l	97
48) Methyl methacrylate	9.288	41	13363	16.315	ug/l #	80
49) 1,4-Dioxane	9.301	88	3310	282.365	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	78844	77.803	ug/l #	87
52) Toluene	10.246	92	70031	19.165	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	36350	17.177	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	42041	17.927	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	21533	16.971	ug/l	97
56) Ethyl methacrylate	10.508	69	27091	16.536	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	35151	16.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	64484	71.820	ug/l	91
59) 2-Hexanone	10.831	43	52898	75.854	ug/l	85
60) Dibromochloromethane	10.983	129	25478	17.478	ug/l	99
61) 1,2-Dibromoethane	11.093	107	20777	16.557	ug/l	100
64) Tetrachloroethene	10.715	164	25615	20.443	ug/l	95
65) Chlorobenzene	11.514	112	74953	19.619	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	27159	19.255	ug/l	97
67) Ethyl Benzene	11.593	91	134448	20.278	ug/l	99
68) m/p-Xylenes	11.703	106	105915	39.880	ug/l	92
69) o-Xylene	12.032	106	69552	27.202	ug/l	87
70) Styrene	12.044	104	113437	26.327	ug/l	93
71) Bromoform	12.209	173	24207	27.385	ug/l #	99
73) Isopropylbenzene	12.331	105	185329	18.870	ug/l	99
74) N-amyl acetate	12.142	43	31203	12.858	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.581	83	32351	14.742	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	20987m	12.519	ug/l	
77) Bromobenzene	12.611	156	48267	20.151	ug/l	80
78) n-propylbenzene	12.672	91	223165	18.943	ug/l	95
79) 2-Chlorotoluene	12.757	91	124975	18.849	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	161252	19.780	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	10075	13.942	ug/l #	81
82) 4-Chlorotoluene	12.855	91	126977	18.481	ug/l	92
83) tert-Butylbenzene	13.074	119	143609	20.292	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	157681	19.494	ug/l	96
85) sec-Butylbenzene	13.257	105	210202	19.681	ug/l	96
86) p-Isopropyltoluene	13.373	119	181956	20.343	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	94195	19.642	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	93948	19.777	ug/l	98
89) n-Butylbenzene	13.696	91	155138	19.110	ug/l	97
90) Hexachloroethane	13.964	117	32525	20.226	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	82815	19.422	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4893	14.837	ug/l	63
93) 1,2,4-Trichlorobenzene	15.007	180	52388	22.072	ug/l	99
94) Hexachlorobutadiene	15.117	225	31692	27.366	ug/l	98
95) Naphthalene	15.239	128	94143	17.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	45163	21.739	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042922\
Data File : VY008556.D
Acq On : 29 Apr 2022 13:53
Operator : KP/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/02/2022
Supervised By :Mahesh Dadoda 05/02/2022

Quant Time: Apr 29 15:33:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 21 14:28:40 2022
Response via : Initial Calibration

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

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

