

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009550.D
 Acq On : 13 Jul 2022 10:48
 Operator : KP/MD
 Sample : VY0713SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0713SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 02:43:04 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)

Internal Standards						
1) Pentafluorobenzene	7.783	168	157421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	242474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	225292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	53295	47.772	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.540%		
35) Dibromofluoromethane	7.710	113	58651	45.971	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.940%		
50) Toluene-d8	10.179	98	172308	49.115	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	98.240%		
62) 4-Bromofluorobenzene	12.477	95	90099	50.029	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	100.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	21742	18.010	ug/l	96
3) Chloromethane	2.107	50	20766	15.404	ug/l	96
4) Vinyl Chloride	2.241	62	27299	17.786	ug/l	100
5) Bromomethane	2.619	94	20803	18.866	ug/l	100
6) Chloroethane	2.772	64	16748	18.689	ug/l	91
7) Trichlorofluoromethane	3.113	101	42840	20.905	ug/l	97
8) Diethyl Ether	3.522	74	13612	17.362	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.881	101	25199	18.149	ug/l	91
10) Methyl Iodide	4.082	142	26197	17.035	ug/l	91
11) Tert butyl alcohol	4.942	59	15816	60.081	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	21794	16.923	ug/l #	76
13) Acrolein	3.717	56	4322	60.745	ug/l	93
14) Allyl chloride	4.466	41	38297	17.284	ug/l	94
15) Acrylonitrile	5.149	53	40421	93.698	ug/l	99
16) Acetone	3.942	43	29459	76.926	ug/l	97
17) Carbon Disulfide	4.180	76	49331	14.929	ug/l	99
18) Methyl Acetate	4.466	43	22664	20.157	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	73527	18.864	ug/l	94
20) Methylene Chloride	4.710	84	32735	14.719	ug/l #	80
21) trans-1,2-Dichloroethene	5.204	96	25471	16.880	ug/l	89
22) Diisopropyl ether	6.106	45	93520	19.853	ug/l	97
23) Vinyl Acetate	6.052	43	284121	85.999	ug/l #	91
24) 1,1-Dichloroethane	6.003	63	49346	18.576	ug/l	97
25) 2-Butanone	6.978	43	57650	93.060	ug/l	93
26) 2,2-Dichloropropane	6.972	77	50776	19.394	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	32871	18.504	ug/l	90
28) Bromochloromethane	7.326	49	19916	17.838	ug/l #	84
29) Tetrahydrofuran	7.338	42	36337	90.687	ug/l	92
30) Chloroform	7.496	83	54106	18.610	ug/l	93
31) Cyclohexane	7.777	56	40396	15.641	ug/l #	85
32) 1,1,1-Trichloroethane	7.698	97	49474	19.302	ug/l	97
36) 1,1-Dichloropropene	7.911	75	37761	18.180	ug/l	98
37) Ethyl Acetate	7.064	43	24787	19.038	ug/l #	96
38) Carbon Tetrachloride	7.893	117	44218	19.905	ug/l	97
39) Methylcyclohexane	9.179	83	43006	17.249	ug/l	91
40) Benzene	8.155	78	112178	18.392	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13693	20.254	ug/l #	1
42) 1,2-Dichloroethane	8.228	62	35625	19.455	ug/l	93
43) Isopropyl Acetate	8.265	43	46842	19.282	ug/l	95
44) Trichloroethene	8.935	130	31232	18.126	ug/l	96
45) 1,2-Dichloropropane	9.210	63	29734	19.263	ug/l	89
46) Dibromomethane	9.301	93	17790	19.637	ug/l	97
47) Bromodichloromethane	9.490	83	42732	19.817	ug/l	96
48) Methyl methacrylate	9.289	41	20567	19.650	ug/l	92
49) 1,4-Dioxane	9.295	88	5097	382.037	ug/l	92
51) 4-Methyl-2-Pentanone	10.063	43	128640	100.692	ug/l	95
52) Toluene	10.240	92	73540	18.921	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	43336	19.071	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	48079	18.975	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	25657	19.631	ug/l	95
56) Ethyl methacrylate	10.508	69	33675	19.407	ug/l	89
57) 1,3-Dichloropropane	10.789	76	42009	19.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.777	63	78141	92.186	ug/l	94
59) 2-Hexanone	10.831	43	91479	103.335	ug/l	96
60) Dibromochloromethane	10.984	129	31636	19.989	ug/l	98
61) 1,2-Dibromoethane	11.087	107	24455	19.518	ug/l	96
64) Tetrachloroethene	10.715	164	31347	16.642	ug/l	94
65) Chlorobenzene	11.514	112	85663	19.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	32950	19.797	ug/l	98
67) Ethyl Benzene	11.587	91	149082	19.300	ug/l	98
68) m/p-Xylenes	11.697	106	120638	40.044	ug/l	90
69) o-Xylene	12.026	106	56356	19.516	ug/l	92
70) Styrene	12.044	104	96834	20.077	ug/l	95
71) Bromoform	12.203	173	21416	20.188	ug/l #	98
73) Isopropylbenzene	12.325	105	152278	18.142	ug/l	99
74) N-amyl acetate	12.142	43	46376	19.419	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	31169	18.546	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	22880m	17.610	ug/l	
77) Bromobenzene	12.605	156	37612	18.406	ug/l	94
78) n-propylbenzene	12.666	91	191093	18.844	ug/l	98
79) 2-Chlorotoluene	12.752	91	105247	18.538	ug/l	95
80) 1,3,5-Trimethylbenzene	12.813	105	130275	18.568	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	11451	18.038	ug/l	87
82) 4-Chlorotoluene	12.855	91	112296	18.874	ug/l	99
83) tert-Butylbenzene	13.075	119	117486	18.822	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	129692	18.571	ug/l	98
85) sec-Butylbenzene	13.251	105	175273	19.066	ug/l	98
86) p-Isopropyltoluene	13.367	119	147325	19.226	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	76689	19.013	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	77530	18.991	ug/l	99
89) n-Butylbenzene	13.697	91	137601	19.230	ug/l	98
90) Hexachloroethane	13.959	117	28543	18.984	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	69917	18.919	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5524	18.752	ug/l	86
93) 1,2,4-Trichlorobenzene	15.001	180	41855	18.570	ug/l	98
94) Hexachlorobutadiene	15.111	225	24515	19.783	ug/l	99
95) Naphthalene	15.233	128	80561	17.287	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	36302	18.595	ug/l	98

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

