

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060722\
 Data File : VY009173.D
 Acq On : 07 Jun 2022 18:48
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/08/2022
 Supervised By : Mahesh Dadoda 06/08/2022

Quant Time: Jun 08 07:59:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	107647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	180207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55653	50.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.460%			
35) Dibromofluoromethane	7.710	113	58734	52.413	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.820%			
50) Toluene-d8	10.179	98	182022	44.030	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.060%			
62) 4-Bromofluorobenzene	12.477	95	99584	59.716	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	48448	49.208	ug/l	99
3) Chloromethane	2.107	50	94964	67.326	ug/l	98
4) Vinyl Chloride	2.241	62	147906	70.778	ug/l	96
5) Bromomethane	2.625	94	132508	64.688	ug/l	98
6) Chloroethane	2.778	64	107659	72.721	ug/l	98
7) Trichlorofluoromethane	3.113	101	102092	57.528	ug/l	100
8) Diethyl Ether	3.521	74	31329	56.458	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.887	101	57402	52.629	ug/l	94
10) Methyl Iodide	4.082	142	59113	52.487	ug/l	93
11) Tert butyl alcohol	4.942	59	28743	255.776	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	52802	52.150	ug/l	79
13) Acrolein	3.716	56	3607	97.515	ug/l	97
14) Allyl chloride	4.472	41	80398	52.690	ug/l #	86
15) Acrylonitrile	5.149	53	85738	275.954	ug/l	99
16) Acetone	3.936	43	63227	274.168	ug/l	95
17) Carbon Disulfide	4.180	76	158342	47.869	ug/l	99
18) Methyl Acetate	4.466	43	39429	54.905	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	167060	54.972	ug/l	98
20) Methylene Chloride	4.704	84	71881	56.908	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	65015	50.028	ug/l	82
22) Diisopropyl ether	6.112	45	200186	54.609	ug/l #	95
23) Vinyl Acetate	6.051	43	692682	285.655	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	118016	53.825	ug/l	98
25) 2-Butanone	6.978	43	115028	279.260	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	107943	53.444	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	76964	52.536	ug/l	89
28) Bromochloromethane	7.325	49	35972	47.798	ug/l #	92
29) Tetrahydrofuran	7.338	42	77482	276.923	ug/l #	85
30) Chloroform	7.502	83	126866	53.602	ug/l	100
31) Cyclohexane	7.777	56	101751	46.947	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	112925	52.590	ug/l	99
36) 1,1-Dichloropropene	7.911	75	95835	50.253	ug/l	98
37) Ethyl Acetate	7.069	43	53822	54.408	ug/l	98
38) Carbon Tetrachloride	7.892	117	101081	50.668	ug/l	99
39) Methylcyclohexane	9.179	83	118426	48.110	ug/l	88
40) Benzene	8.155	78	284769	51.784	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	31738m	62.173	ug/l	
42) 1,2-Dichloroethane	8.228	62	86684	53.681	ug/l	93
43) Isopropyl Acetate	8.270	43	106108	57.686	ug/l #	93
44) Trichloroethene	8.935	130	74226	50.977	ug/l	99
45) 1,2-Dichloropropane	9.209	63	70921	53.710	ug/l	97
46) Dibromomethane	9.301	93	44748	53.296	ug/l	93
47) Bromodichloromethane	9.496	83	101177	52.728	ug/l	99
48) Methyl methacrylate	9.289	41	46374	56.461	ug/l #	81
49) 1,4-Dioxane	9.295	88	12188	1085.917	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	296409	291.173	ug/l	91
52) Toluene	10.240	92	195990	50.998	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	110625	54.290	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	116505	53.185	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	62435	53.152	ug/l	99
56) Ethyl methacrylate	10.508	69	82675	55.051	ug/l	88
57) 1,3-Dichloropropane	10.788	76	103157	53.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	154763	238.200	ug/l	97
59) 2-Hexanone	10.831	43	208066	298.523	ug/l	91
60) Dibromochloromethane	10.983	129	74662	52.434	ug/l	100
61) 1,2-Dibromoethane	11.087	107	59335	50.975	ug/l	98
64) Tetrachloroethene	10.715	164	65703	50.704	ug/l	98
65) Chlorobenzene	11.514	112	211285	51.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	81050	54.170	ug/l	97
67) Ethyl Benzene	11.587	91	393776	53.474	ug/l	99
68) m/p-Xylenes	11.703	106	330952	110.709	ug/l	92
69) o-Xylene	12.026	106	155206	55.910	ug/l	92
70) Styrene	12.044	104	279869	58.624	ug/l	94
71) Bromoform	12.209	173	54561	55.009	ug/l #	98
73) Isopropylbenzene	12.325	105	420841	47.087	ug/l	100
74) N-amyl acetate	12.142	43	118495	57.464	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	89316	48.513	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	64247m	50.054	ug/l	
77) Bromobenzene	12.605	156	93688	45.221	ug/l	98
78) n-propylbenzene	12.672	91	542422	52.530	ug/l	99
79) 2-Chlorotoluene	12.757	91	292917	49.178	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	379971	50.722	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	31863	50.951	ug/l	89
82) 4-Chlorotoluene	12.855	91	323592	50.794	ug/l	98
83) tert-Butylbenzene	13.074	119	331355	49.857	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	387992	52.174	ug/l	98
85) sec-Butylbenzene	13.251	105	513355	50.485	ug/l	100
86) p-Isopropyltoluene	13.367	119	443788	52.336	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	224029	50.691	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	223311	50.294	ug/l	98
89) n-Butylbenzene	13.696	91	399016	51.435	ug/l	99
90) Hexachloroethane	13.958	117	78172	49.193	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	197855	50.716	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13759	48.136	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	95089	44.412	ug/l	99
94) Hexachlorobutadiene	15.111	225	49871	42.737	ug/l	97
95) Naphthalene	15.239	128	201156	46.768	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	82355	44.264	ug/l	99

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

