

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062022\
 Data File : VY009240.D
 Acq On : 20 Jun 2022 12:45
 Operator : KP/MD
 Sample : VY0620SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0620SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/21/2022
 Supervised By :Mahesh Dadoda 06/21/2022

Quant Time: Jun 21 08:12:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	185204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	305467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	276550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100663	52.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.060%			
35) Dibromofluoromethane	7.716	113	100000	52.215	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.420%			
50) Toluene-d8	10.179	98	377002	51.712	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.420%			
62) 4-Bromofluorobenzene	12.477	95	132474	51.135	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28830	20.564	ug/l	94
3) Chloromethane	2.107	50	35298	20.322	ug/l	93
4) Vinyl Chloride	2.247	62	37415	20.522	ug/l	97
5) Bromomethane	2.631	94	25905	20.225	ug/l	96
6) Chloroethane	2.784	64	23738	20.807	ug/l	94
7) Trichlorofluoromethane	3.119	101	58460	20.073	ug/l	96
8) Diethyl Ether	3.521	74	21932	19.847	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	36605	20.442	ug/l	95
10) Methyl Iodide	4.082	142	45065	19.701	ug/l #	88
11) Tert butyl alcohol	4.942	59	31094	101.307	ug/l	99
12) 1,1-Dichloroethene	3.863	96	35523	20.157	ug/l #	77
13) Acrolein	3.722	56	7769	131.880	ug/l	95
14) Allyl chloride	4.466	41	61157	19.230	ug/l #	94
15) Acrylonitrile	5.155	53	62258	105.336	ug/l	99
16) Acetone	3.942	43	49638	101.857	ug/l #	86
17) Carbon Disulfide	4.186	76	102579	20.106	ug/l	99
18) Methyl Acetate	4.472	43	33687	21.955	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	107772	20.268	ug/l	100
20) Methylene Chloride	4.704	84	49949	21.108	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	43085	20.864	ug/l	83
22) Diisopropyl ether	6.112	45	139159	21.221	ug/l	94
23) Vinyl Acetate	6.051	43	438211	106.229	ug/l	95
24) 1,1-Dichloroethane	6.015	63	76951	20.768	ug/l	98
25) 2-Butanone	6.978	43	83846	108.728	ug/l	92
26) 2,2-Dichloropropane	6.978	77	68557	20.881	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	50555	20.875	ug/l	89
28) Bromochloromethane	7.332	49	32652	20.559	ug/l #	93
29) Tetrahydrofuran	7.344	42	54530	106.498	ug/l	91
30) Chloroform	7.502	83	77824	20.419	ug/l	99
31) Cyclohexane	7.777	56	70878	20.452	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	67961	20.279	ug/l	96
36) 1,1-Dichloropropene	7.911	75	59809	20.302	ug/l	97
37) Ethyl Acetate	7.069	43	37319	21.287	ug/l #	93
38) Carbon Tetrachloride	7.898	117	59015	19.373	ug/l	98
39) Methylcyclohexane	9.179	83	74435	20.957	ug/l	91
40) Benzene	8.155	78	176993	20.573	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20320m	20.723	ug/l	
42) 1,2-Dichloroethane	8.234	62	50911	20.291	ug/l	92
43) Isopropyl Acetate	8.270	43	68112	21.006	ug/l #	95
44) Trichloroethene	8.935	130	49714	20.216	ug/l	96
45) 1,2-Dichloropropane	9.209	63	45156	20.707	ug/l	98
46) Dibromomethane	9.301	93	25890	20.640	ug/l	96
47) Bromodichloromethane	9.496	83	59674	19.960	ug/l	97
48) Methyl methacrylate	9.288	41	29195	20.173	ug/l #	88
49) 1,4-Dioxane	9.295	88	7023	393.592	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	179114	105.013	ug/l	92
52) Toluene	10.240	92	112006	20.390	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	63851	20.360	ug/l	100
54) cis-1,3-Dichloropropene	9.922	75	71885	20.296	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	37335	21.032	ug/l	98
56) Ethyl methacrylate	10.508	69	49502	20.571	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	63110	20.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	108087	103.620	ug/l	96
59) 2-Hexanone	10.831	43	122114	104.362	ug/l	90
60) Dibromochloromethane	10.983	129	43643	20.082	ug/l	100
61) 1,2-Dibromoethane	11.087	107	35654	20.609	ug/l	100
64) Tetrachloroethene	10.715	164	53760	20.983	ug/l	97
65) Chlorobenzene	11.514	112	118812	19.833	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	42972	19.586	ug/l	94
67) Ethyl Benzene	11.593	91	211540	20.236	ug/l	96
68) m/p-Xylenes	11.697	106	167143	40.555	ug/l	92
69) o-Xylene	12.026	106	79153	20.270	ug/l	92
70) Styrene	12.044	104	132225	20.185	ug/l	96
71) Bromoform	12.203	173	27872	19.890	ug/l #	99
73) Isopropylbenzene	12.331	105	209244	20.742	ug/l	99
74) N-amyl acetate	12.142	43	55312	19.656	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	41229	20.650	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	37310m	25.210	ug/l	
77) Bromobenzene	12.605	156	50243	20.272	ug/l	95
78) n-propylbenzene	12.672	91	251034	20.567	ug/l	97
79) 2-Chlorotoluene	12.751	91	140217	20.389	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	170677	20.242	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	15749	21.207	ug/l #	83
82) 4-Chlorotoluene	12.855	91	148510	20.696	ug/l	100
83) tert-Butylbenzene	13.074	119	151703	20.464	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	169730	20.509	ug/l	98
85) sec-Butylbenzene	13.251	105	222429	20.263	ug/l	98
86) p-Isopropyltoluene	13.367	119	185766	20.393	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	97076	20.308	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	95329	19.646	ug/l	98
89) n-Butylbenzene	13.696	91	173731	20.169	ug/l	98
90) Hexachloroethane	13.958	117	34920	20.330	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	86975	20.121	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6849	19.011	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	51396	18.911	ug/l	97
94) Hexachlorobutadiene	15.111	225	28260	18.919	ug/l	97
95) Naphthalene	15.233	128	107228	18.916	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	43549	18.206	ug/l	98

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

