

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121222\
 Data File : VY011761.D
 Acq On : 12 Dec 2022 11:25
 Operator : KP/MD
 Sample : VY1212SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022

Quant Time: Dec 12 12:10:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	215681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	335387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	306412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	71880	48.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.440%		
35) Dibromofluoromethane	7.716	113	74271	49.830	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.660%		
50) Toluene-d8	10.179	98	234624	47.723	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.440%		
62) 4-Bromofluorobenzene	12.483	95	99871	51.498	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29712	28.088	ug/l	99
3) Chloromethane	2.113	50	29610	23.449	ug/l	98
4) Vinyl Chloride	2.253	62	33828	22.443	ug/l	100
5) Bromomethane	2.644	94	23651	23.318	ug/l	98
6) Chloroethane	2.796	64	22589	21.121	ug/l	97
7) Trichlorofluoromethane	3.125	101	64775	21.848	ug/l	98
8) Diethyl Ether	3.528	74	20376	19.621	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	37429	21.148	ug/l	98
10) Methyl Iodide	4.095	142	40005	19.305	ug/l	98
11) Tert butyl alcohol	4.948	59	26305	135.252	ug/l	96
12) 1,1-Dichloroethene	3.875	96	33791	21.170	ug/l	99
13) Acrolein	3.729	56	30329	99.751	ug/l	99
14) Allyl chloride	4.479	41	52659	19.861	ug/l	98
15) Acrylonitrile	5.168	53	56270	100.949	ug/l	100
16) Acetone	3.948	43	54831	93.104	ug/l	98
17) Carbon Disulfide	4.198	76	77676	21.309	ug/l	99
18) Methyl Acetate	4.479	43	31931	21.776	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	99284	19.866	ug/l	100
20) Methylene Chloride	4.716	84	53470	22.244	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	37667	20.996	ug/l	94
22) Diisopropyl ether	6.119	45	119589	20.673	ug/l	97
23) Vinyl Acetate	6.064	43	338026	102.426	ug/l	99
24) 1,1-Dichloroethane	6.021	63	71913	20.457	ug/l	100
25) 2-Butanone	6.984	43	74986	98.987	ug/l	99
26) 2,2-Dichloropropane	6.984	77	68943	20.846	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	44673	20.374	ug/l	97
28) Bromochloromethane	7.338	49	25362	19.818	ug/l	100
29) Tetrahydrofuran	7.350	42	43564	101.037	ug/l	100
30) Chloroform	7.509	83	78201	20.809	ug/l	97
31) Cyclohexane	7.789	56	56958	20.890	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	69749	20.811	ug/l	99
36) 1,1-Dichloropropene	7.917	75	54071	21.245	ug/l	100
37) Ethyl Acetate	7.070	43	30656	20.603	ug/l	99
38) Carbon Tetrachloride	7.899	117	64437	21.554	ug/l	97
39) Methylcyclohexane	9.185	83	60605	21.163	ug/l	100
40) Benzene	8.161	78	161786	21.279	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14846m	19.765	ug/l	
42) 1,2-Dichloroethane	8.240	62	50526	21.490	ug/l	99
43) Isopropyl Acetate	8.277	43	54600	20.237	ug/l	100
44) Trichloroethene	8.941	130	44876	21.074	ug/l	97
45) 1,2-Dichloropropane	9.216	63	41009	20.839	ug/l	97
46) Dibromomethane	9.307	93	23266	21.121	ug/l	97
47) Bromodichloromethane	9.496	83	59256	20.822	ug/l	97
48) Methyl methacrylate	9.295	41	23996	20.177	ug/l	97
49) 1,4-Dioxane	9.301	88	6164	403.925	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	150792	101.430	ug/l	99
52) Toluene	10.246	92	104431	21.605	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	58606	20.617	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	65986	20.661	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	34076	20.930	ug/l	97
56) Ethyl methacrylate	10.514	69	43321	20.612	ug/l	99
57) 1,3-Dichloropropane	10.788	76	56767	20.917	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	101628	104.279	ug/l	98
59) 2-Hexanone	10.831	43	109047	102.662	ug/l	100
60) Dibromochloromethane	10.984	129	43717	21.438	ug/l	98
61) 1,2-Dibromoethane	11.087	107	31648	21.457	ug/l	99
64) Tetrachloroethene	10.721	164	44386	20.474	ug/l	97
65) Chlorobenzene	11.520	112	113275	20.517	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	44831	20.931	ug/l	99
67) Ethyl Benzene	11.593	91	198769	20.432	ug/l	99
68) m/p-Xylenes	11.703	106	154648	41.510	ug/l	100
69) o-Xylene	12.032	106	74052	20.853	ug/l	99
70) Styrene	12.044	104	125513	20.709	ug/l	99
71) Bromoform	12.209	173	27732	20.991	ug/l #	98
73) Isopropylbenzene	12.331	105	206105	20.637	ug/l	100
74) N-amyl acetate	12.142	43	46189	19.236	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	39520	20.319	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	34196m	21.927	ug/l	
77) Bromobenzene	12.611	156	47830	20.512	ug/l	100
78) n-propylbenzene	12.672	91	246390	20.587	ug/l	99
79) 2-Chlorotoluene	12.758	91	138702	20.306	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	174011	20.614	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	13365	19.447	ug/l	98
82) 4-Chlorotoluene	12.855	91	143596	20.268	ug/l	99
83) tert-Butylbenzene	13.075	119	149961	20.401	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	171136	20.590	ug/l	100
85) sec-Butylbenzene	13.251	105	225880	20.634	ug/l	100
86) p-Isopropyltoluene	13.373	119	190174	20.873	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	96299	20.521	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	95482	20.473	ug/l	99
89) n-Butylbenzene	13.696	91	170808	20.623	ug/l	99
90) Hexachloroethane	13.965	117	37280	20.592	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	85281	20.195	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6576	19.392	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	48059	19.513	ug/l	99
94) Hexachlorobutadiene	15.111	225	32080	20.500	ug/l	98
95) Naphthalene	15.239	128	89932	18.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	41328	19.426	ug/l	100

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

