

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011812.D
 Acq On : 13 Dec 2022 23:44
 Operator : KP/MD
 Sample : VY1213SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1213SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 05:36:41 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	218786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	350778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	316195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	71499	47.667	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.340%		
35) Dibromofluoromethane	7.716	113	76317	48.882	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.760%		
50) Toluene-d8	10.179	98	234605	45.289	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.580%		
62) 4-Bromofluorobenzene	12.483	95	98543	48.299	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28594	26.241	ug/l	98
3) Chloromethane	2.113	50	29445	22.898	ug/l	96
4) Vinyl Chloride	2.253	62	32971	21.402	ug/l	99
5) Bromomethane	2.644	94	23283	22.495	ug/l	98
6) Chloroethane	2.790	64	22498	20.737	ug/l	99
7) Trichlorofluoromethane	3.125	101	61327	20.391	ug/l	98
8) Diethyl Ether	3.534	74	20468	19.429	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	36512	20.337	ug/l	99
10) Methyl Iodide	4.095	142	43858	20.864	ug/l	99
11) Tert butyl alcohol	4.954	59	23543	110.671	ug/l	96
12) 1,1-Dichloroethene	3.875	96	32532	20.092	ug/l	98
13) Acrolein	3.735	56	29334	95.110	ug/l	99
14) Allyl chloride	4.479	41	53420	19.862	ug/l	98
15) Acrylonitrile	5.168	53	54336	96.096	ug/l	100
16) Acetone	3.948	43	44371	74.273	ug/l	98
17) Carbon Disulfide	4.192	76	75111	20.313	ug/l	98
18) Methyl Acetate	4.473	43	31900	21.418	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	99829	19.691	ug/l	97
20) Methylene Chloride	4.722	84	60118	25.376	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	36886	20.269	ug/l	98
22) Diisopropyl ether	6.119	45	123643	21.070	ug/l	98
23) Vinyl Acetate	6.058	43	333089	99.498	ug/l	100
24) 1,1-Dichloroethane	6.021	63	73693	20.666	ug/l	99
25) 2-Butanone	6.984	43	65813	85.645	ug/l	97
26) 2,2-Dichloropropane	6.984	77	64980	19.369	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	46194	20.769	ug/l	100
28) Bromochloromethane	7.338	49	25073	19.314	ug/l	100
29) Tetrahydrofuran	7.350	42	42014	96.059	ug/l	99
30) Chloroform	7.502	83	78986	20.719	ug/l	99
31) Cyclohexane	7.789	56	55375	19.886	ug/l #	95
32) 1,1,1-Trichloroethane	7.704	97	68683	20.202	ug/l	99
36) 1,1-Dichloropropene	7.917	75	52075	19.563	ug/l	98
37) Ethyl Acetate	7.076	43	29826	19.166	ug/l	99
38) Carbon Tetrachloride	7.899	117	63040	20.161	ug/l	96
39) Methylcyclohexane	9.185	83	59851	19.983	ug/l	100
40) Benzene	8.161	78	161963	20.367	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14772m	18.803	ug/l	
42) 1,2-Dichloroethane	8.240	62	49539	20.145	ug/l	100
43) Isopropyl Acetate	8.277	43	54116	19.177	ug/l	100
44) Trichloroethene	8.941	130	44054	19.781	ug/l	96
45) 1,2-Dichloropropane	9.216	63	41059	19.949	ug/l	97
46) Dibromomethane	9.307	93	22623	19.636	ug/l	99
47) Bromodichloromethane	9.496	83	59298	19.923	ug/l	99
48) Methyl methacrylate	9.295	41	23412	18.822	ug/l	97
49) 1,4-Dioxane	9.295	88	5954	373.044	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	146702	94.349	ug/l	100
52) Toluene	10.246	92	104392	20.650	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	57707	19.410	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	66468	19.899	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	35181	20.660	ug/l	97
56) Ethyl methacrylate	10.508	69	41554	18.904	ug/l	98
57) 1,3-Dichloropropane	10.788	76	56976	20.073	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	101847	99.919	ug/l	100
59) 2-Hexanone	10.831	43	96587	86.941	ug/l	99
60) Dibromochloromethane	10.984	129	43235	20.272	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30771	19.947	ug/l	100
64) Tetrachloroethene	10.721	164	44054	19.692	ug/l	96
65) Chlorobenzene	11.520	112	113343	19.894	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	44719	20.233	ug/l	98
67) Ethyl Benzene	11.593	91	201353	20.058	ug/l	100
68) m/p-Xylenes	11.703	106	155637	40.483	ug/l	99
69) o-Xylene	12.032	106	73778	20.133	ug/l	99
70) Styrene	12.044	104	125310	20.036	ug/l	99
71) Bromoform	12.209	173	26943	19.763	ug/l #	100
73) Isopropylbenzene	12.331	105	202820	20.210	ug/l	100
74) N-amyl acetate	12.142	43	45723	18.950	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	38948	19.928	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	31133m	19.866	ug/l	
77) Bromobenzene	12.611	156	47884	20.436	ug/l	99
78) n-propylbenzene	12.672	91	244500	20.330	ug/l	99
79) 2-Chlorotoluene	12.758	91	137693	20.061	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	173804	20.490	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	12626	18.283	ug/l	99
82) 4-Chlorotoluene	12.855	91	143928	20.217	ug/l	100
83) tert-Butylbenzene	13.075	119	149039	20.178	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	171757	20.565	ug/l	99
85) sec-Butylbenzene	13.258	105	221757	20.160	ug/l	99
86) p-Isopropyltoluene	13.373	119	185739	20.288	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	96259	20.414	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	93117	19.869	ug/l	99
89) n-Butylbenzene	13.696	91	163872	19.690	ug/l	99
90) Hexachloroethane	13.959	117	36869	20.266	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	85905	20.245	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6503	19.085	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	47954	19.376	ug/l	99
94) Hexachlorobutadiene	15.111	225	31755	20.194	ug/l	100
95) Naphthalene	15.239	128	90537	18.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	42146	19.715	ug/l	99

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

