

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011863.D
 Acq On : 15 Dec 2022 11:53
 Operator : KP/MD
 Sample : VY1215SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1215SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022

Quant Time: Dec 16 00:13:05 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	208018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	288855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66891	46.819	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.640%		
35) Dibromofluoromethane	7.716	113	71635	49.775	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.560%		
50) Toluene-d8	10.179	98	222951	46.849	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.700%		
62) 4-Bromofluorobenzene	12.483	95	94122	50.149	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29806	29.532	ug/l	96
3) Chloromethane	2.113	50	29060	23.942	ug/l	98
4) Vinyl Chloride	2.260	62	33441	23.106	ug/l	100
5) Bromomethane	2.650	94	23040	23.598	ug/l	96
6) Chloroethane	2.796	64	22835	22.137	ug/l	99
7) Trichlorofluoromethane	3.131	101	63627	22.251	ug/l	100
8) Diethyl Ether	3.534	74	20363	20.330	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	36717	21.510	ug/l	99
10) Methyl Iodide	4.095	142	40303	20.165	ug/l	98
11) Tert butyl alcohol	4.960	59	20259	92.156	ug/l	99
12) 1,1-Dichloroethene	3.875	96	32816	21.316	ug/l	94
13) Acrolein	3.735	56	27711	94.498	ug/l	99
14) Allyl chloride	4.485	41	52506	20.533	ug/l	99
15) Acrylonitrile	5.168	53	54387	101.165	ug/l	100
16) Acetone	3.948	43	58438	102.884	ug/l	95
17) Carbon Disulfide	4.198	76	74296	21.132	ug/l	99
18) Methyl Acetate	4.485	43	30705	21.705	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	98717	20.480	ug/l	98
20) Methylene Chloride	4.716	84	65139	29.848	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	37399	21.614	ug/l	88
22) Diisopropyl ether	6.119	45	120583	21.613	ug/l	94
23) Vinyl Acetate	6.064	43	329980	103.672	ug/l	100
24) 1,1-Dichloroethane	6.021	63	71749	21.162	ug/l	99
25) 2-Butanone	6.990	43	76427	104.605	ug/l	100
26) 2,2-Dichloropropane	6.978	77	68106	21.352	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	44567	21.074	ug/l	98
28) Bromochloromethane	7.338	49	24253	19.649	ug/l	99
29) Tetrahydrofuran	7.350	42	42048	101.113	ug/l	100
30) Chloroform	7.509	83	79166	21.842	ug/l	100
31) Cyclohexane	7.789	56	55245	21.027	ug/l #	92
32) 1,1,1-Trichloroethane	7.704	97	70129	21.695	ug/l	99
36) 1,1-Dichloropropene	7.923	75	52898	21.528	ug/l	100
37) Ethyl Acetate	7.082	43	30653	21.338	ug/l	99
38) Carbon Tetrachloride	7.905	117	64102	22.208	ug/l	98
39) Methylcyclohexane	9.185	83	59653	21.576	ug/l	98
40) Benzene	8.161	78	161534	22.005	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	16401	22.616	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	49180	21.665	ug/l	100
43) Isopropyl Acetate	8.277	43	53187	20.418	ug/l	99
44) Trichloroethene	8.941	130	44186	21.492	ug/l	97
45) 1,2-Dichloropropane	9.216	63	40609	21.374	ug/l	99
46) Dibromomethane	9.307	93	23528	22.123	ug/l	95
47) Bromodichloromethane	9.496	83	59686	21.723	ug/l	99
48) Methyl methacrylate	9.295	41	23207	20.211	ug/l	98
49) 1,4-Dioxane	9.301	88	5883	399.294	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	148336	103.345	ug/l	100
52) Toluene	10.246	92	103742	22.230	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	58702	21.390	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	66207	21.471	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	34112	21.701	ug/l	99
56) Ethyl methacrylate	10.514	69	41386	20.395	ug/l	99
57) 1,3-Dichloropropane	10.795	76	56097	21.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	94224	100.139	ug/l	98
59) 2-Hexanone	10.831	43	108514	105.812	ug/l	100
60) Dibromochloromethane	10.984	129	43428	22.058	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30640	21.516	ug/l	98
64) Tetrachloroethene	10.721	164	45594	22.310	ug/l	98
65) Chlorobenzene	11.514	112	113359	21.780	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	44243	21.912	ug/l	98
67) Ethyl Benzene	11.593	91	200402	21.852	ug/l	99
68) m/p-Xylenes	11.703	106	154799	44.077	ug/l	100
69) o-Xylene	12.032	106	73561	21.974	ug/l	98
70) Styrene	12.044	104	124323	21.759	ug/l	99
71) Bromoform	12.209	173	26777	21.501	ug/l #	97
73) Isopropylbenzene	12.331	105	201281	21.424	ug/l	99
74) N-amyl acetate	12.142	43	44736	19.805	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	38192	20.874	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	31898m	21.742	ug/l	
77) Bromobenzene	12.611	156	47375	21.597	ug/l	99
78) n-propylbenzene	12.672	91	245477	21.803	ug/l	99
79) 2-Chlorotoluene	12.758	91	136246	21.204	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	172442	21.715	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13177	20.381	ug/l	98
82) 4-Chlorotoluene	12.855	91	142241	21.342	ug/l	100
83) tert-Butylbenzene	13.075	119	151332	21.886	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	169875	21.726	ug/l	99
85) sec-Butylbenzene	13.258	105	224799	21.830	ug/l	100
86) p-Isopropyltoluene	13.373	119	185410	21.633	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	95350	21.600	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	94850	21.619	ug/l	100
89) n-Butylbenzene	13.697	91	167845	21.542	ug/l	99
90) Hexachloroethane	13.965	117	36705	21.552	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	85007	21.399	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6211	19.470	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	48616	20.983	ug/l	98
94) Hexachlorobutadiene	15.111	225	31968	21.716	ug/l	99
95) Naphthalene	15.239	128	90344	20.133	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	42062	21.018	ug/l	100

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

