

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011784.D
 Acq On : 13 Dec 2022 11:39
 Operator : KP/MD
 Sample : VY1213SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1213SBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 22:16:53 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	220082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	341630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	308825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	72321	47.961	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.920%		
35) Dibromofluoromethane	7.722	113	74714	49.158	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.320%		
50) Toluene-d8	10.179	98	242062	48.434	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.860%		
62) 4-Bromofluorobenzene	12.483	95	100444	50.783	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29318	26.900	ug/l	99
3) Chloromethane	2.113	50	28618	21.969	ug/l	99
4) Vinyl Chloride	2.253	62	33877	21.949	ug/l	98
5) Bromomethane	2.644	94	23787	22.918	ug/l	88
6) Chloroethane	2.796	64	23014	21.088	ug/l	94
7) Trichlorofluoromethane	3.125	101	62416	20.631	ug/l	96
8) Diethyl Ether	3.534	74	19502	18.403	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	36260	20.077	ug/l	99
10) Methyl Iodide	4.094	142	41575	19.662	ug/l	96
11) Tert butyl alcohol	4.948	59	22234	98.851	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	33352	20.477	ug/l	96
13) Acrolein	3.729	56	28068	90.469	ug/l	99
14) Allyl chloride	4.485	41	51817	19.152	ug/l	98
15) Acrylonitrile	5.167	53	53122	93.396	ug/l	98
16) Acetone	3.948	43	52611	87.548	ug/l	98
17) Carbon Disulfide	4.198	76	76348	20.526	ug/l	99
18) Methyl Acetate	4.479	43	29885	19.822	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	95664	18.759	ug/l	98
20) Methylene Chloride	4.716	84	55733	22.865	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	36861	20.136	ug/l	94
22) Diisopropyl ether	6.118	45	118483	20.072	ug/l	96
23) Vinyl Acetate	6.064	43	322453	95.754	ug/l	99
24) 1,1-Dichloroethane	6.021	63	71104	19.823	ug/l	98
25) 2-Butanone	6.990	43	70266	90.901	ug/l	100
26) 2,2-Dichloropropane	6.984	77	66788	19.791	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	44489	19.884	ug/l	99
28) Bromochloromethane	7.338	49	24958	19.112	ug/l	99
29) Tetrahydrofuran	7.350	42	40418	91.866	ug/l	99
30) Chloroform	7.508	83	77868	20.306	ug/l	100
31) Cyclohexane	7.783	56	55686	19.879	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	69454	20.308	ug/l	100
36) 1,1-Dichloropropene	7.917	75	53934	20.804	ug/l	98
37) Ethyl Acetate	7.070	43	28071	18.521	ug/l	96
38) Carbon Tetrachloride	7.899	117	63330	20.796	ug/l	99
39) Methylcyclohexane	9.185	83	59047	20.243	ug/l	99
40) Benzene	8.161	78	158364	20.448	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	16296m	21.299	ug/l	
42) 1,2-Dichloroethane	8.240	62	48450	20.230	ug/l	99
43) Isopropyl Acetate	8.271	43	51491	18.736	ug/l	100
44) Trichloroethene	8.941	130	43803	20.195	ug/l	98
45) 1,2-Dichloropropane	9.216	63	40190	20.050	ug/l	97
46) Dibromomethane	9.307	93	21800	19.429	ug/l	100
47) Bromodichloromethane	9.496	83	57874	19.965	ug/l	97
48) Methyl methacrylate	9.295	41	22804	18.824	ug/l	98
49) 1,4-Dioxane	9.301	88	5953	382.969	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	142134	93.859	ug/l	99
52) Toluene	10.246	92	102221	20.762	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	57356	19.809	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	65371	20.094	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	33780	20.369	ug/l	97
56) Ethyl methacrylate	10.508	69	40587	18.958	ug/l	100
57) 1,3-Dichloropropane	10.794	76	55210	19.972	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	94659	95.353	ug/l	99
59) 2-Hexanone	10.831	43	101100	93.441	ug/l	100
60) Dibromochloromethane	10.983	129	41954	20.198	ug/l	99
61) 1,2-Dibromoethane	11.093	107	30264	20.143	ug/l	99
64) Tetrachloroethene	10.721	164	44140	20.202	ug/l	97
65) Chlorobenzene	11.514	112	111458	20.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	43447	20.126	ug/l	99
67) Ethyl Benzene	11.593	91	199297	20.327	ug/l	100
68) m/p-Xylenes	11.703	106	155979	41.541	ug/l	97
69) o-Xylene	12.032	106	72638	20.295	ug/l	100
70) Styrene	12.044	104	124331	20.354	ug/l	99
71) Bromoform	12.209	173	26153	19.642	ug/l #	98
73) Isopropylbenzene	12.331	105	200549	19.880	ug/l	99
74) N-amyl acetate	12.142	43	43597	17.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	37624	19.151	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	30161m	19.146	ug/l	
77) Bromobenzene	12.611	156	47550	20.188	ug/l	98
78) n-propylbenzene	12.672	91	243120	20.110	ug/l	99
79) 2-Chlorotoluene	12.758	91	137113	19.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	173843	20.388	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	12931	18.627	ug/l	99
82) 4-Chlorotoluene	12.855	91	142736	19.946	ug/l	100
83) tert-Butylbenzene	13.075	119	153439	20.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	170132	20.265	ug/l	99
85) sec-Butylbenzene	13.257	105	223078	20.175	ug/l	100
86) p-Isopropyltoluene	13.373	119	187548	20.379	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	95560	20.161	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	95094	20.186	ug/l	99
89) n-Butylbenzene	13.696	91	169625	20.276	ug/l	99
90) Hexachloroethane	13.965	117	36152	19.769	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	85347	20.009	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6301	18.396	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	48389	19.451	ug/l	99
94) Hexachlorobutadiene	15.111	225	32598	20.623	ug/l	98
95) Naphthalene	15.239	128	89297	18.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	41684	19.398	ug/l	98

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

