

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011835.D
 Acq On : 14 Dec 2022 11:25
 Operator : KP/MD
 Sample : VY1214SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1214SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/15/2022
 Supervised By :Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 01:17:07 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	212378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	338233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	307403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	72158	49.768	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.540%		
35) Dibromofluoromethane	7.716	113	76154	50.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.460%		
50) Toluene-d8	10.179	98	235890	47.553	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.100%		
62) 4-Bromofluorobenzene	12.483	95	99728	50.942	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	27529	25.961	ug/l	94
3) Chloromethane	2.113	50	27826	22.170	ug/l	100
4) Vinyl Chloride	2.253	62	31120	20.695	ug/l	93
5) Bromomethane	2.644	94	23206	23.219	ug/l	100
6) Chloroethane	2.790	64	21925	20.819	ug/l	96
7) Trichlorofluoromethane	3.125	101	59534	20.392	ug/l	95
8) Diethyl Ether	3.534	74	20097	19.653	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	34103	19.568	ug/l	99
10) Methyl Iodide	4.095	142	39382	19.300	ug/l	99
11) Tert butyl alcohol	4.954	59	29411	161.807	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	31268	19.894	ug/l	99
13) Acrolein	3.729	56	28175	94.108	ug/l	96
14) Allyl chloride	4.485	41	52503	20.110	ug/l	100
15) Acrylonitrile	5.161	53	55952	101.940	ug/l	99
16) Acetone	3.948	43	60608	104.513	ug/l	96
17) Carbon Disulfide	4.198	76	73111	20.368	ug/l	97
18) Methyl Acetate	4.479	43	32668	22.696	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	100038	20.328	ug/l	98
20) Methylene Chloride	4.716	84	49344	20.428	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	36037	20.400	ug/l	96
22) Diisopropyl ether	6.125	45	119392	20.960	ug/l	97
23) Vinyl Acetate	6.064	43	338630	104.205	ug/l	98
24) 1,1-Dichloroethane	6.021	63	71378	20.621	ug/l	99
25) 2-Butanone	6.984	43	81760	109.607	ug/l	100
26) 2,2-Dichloropropane	6.978	77	67624	20.765	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	44826	20.762	ug/l	99
28) Bromochloromethane	7.332	49	25582	20.300	ug/l	98
29) Tetrahydrofuran	7.350	42	44301	104.344	ug/l	99
30) Chloroform	7.509	83	77328	20.896	ug/l	96
31) Cyclohexane	7.783	56	53623	19.830	ug/l #	94
32) 1,1,1-Trichloroethane	7.704	97	68100	20.635	ug/l	98
36) 1,1-Dichloropropene	7.923	75	51997	20.259	ug/l	99
37) Ethyl Acetate	7.076	43	30570	20.372	ug/l	98
38) Carbon Tetrachloride	7.905	117	61214	20.304	ug/l	99
39) Methylcyclohexane	9.185	83	55999	19.390	ug/l	99
40) Benzene	8.161	78	157420	20.530	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	15117m	19.956	ug/l	
42) 1,2-Dichloroethane	8.234	62	48767	20.567	ug/l	99
43) Isopropyl Acetate	8.271	43	55270	20.313	ug/l	99
44) Trichloroethene	8.941	130	44083	20.528	ug/l	99
45) 1,2-Dichloropropane	9.216	63	40497	20.406	ug/l	98
46) Dibromomethane	9.307	93	23149	20.838	ug/l	97
47) Bromodichloromethane	9.496	83	58541	20.398	ug/l	99
48) Methyl methacrylate	9.295	41	24477	20.408	ug/l	99
49) 1,4-Dioxane	9.301	88	6267	407.219	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	157565	105.094	ug/l	99
52) Toluene	10.246	92	102535	21.035	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	58120	20.274	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	66405	20.617	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	34401	20.951	ug/l	98
56) Ethyl methacrylate	10.508	69	43805	20.667	ug/l	99
57) 1,3-Dichloropropane	10.788	76	56660	20.702	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	103996	105.811	ug/l	99
59) 2-Hexanone	10.831	43	115365	107.696	ug/l	100
60) Dibromochloromethane	10.984	129	43048	20.933	ug/l	98
61) 1,2-Dibromoethane	11.087	107	31165	20.951	ug/l	99
64) Tetrachloroethene	10.721	164	43711	20.098	ug/l	98
65) Chlorobenzene	11.514	112	112905	20.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	44241	20.589	ug/l	98
67) Ethyl Benzene	11.593	91	198014	20.289	ug/l	99
68) m/p-Xylenes	11.703	106	152582	40.824	ug/l	99
69) o-Xylene	12.032	106	72808	20.437	ug/l	98
70) Styrene	12.044	104	124518	20.478	ug/l	100
71) Bromoform	12.209	173	28030	21.149	ug/l #	100
73) Isopropylbenzene	12.331	105	200506	20.439	ug/l	100
74) N-amyl acetate	12.142	43	47029	19.940	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	38919	20.371	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	31434m	20.520	ug/l	
77) Bromobenzene	12.611	156	46749	20.411	ug/l	98
78) n-propylbenzene	12.672	91	240808	20.484	ug/l	99
79) 2-Chlorotoluene	12.758	91	135862	20.250	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	171178	20.645	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	13829	20.485	ug/l	97
82) 4-Chlorotoluene	12.855	91	143966	20.688	ug/l	99
83) tert-Butylbenzene	13.075	119	145721	20.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	167272	20.489	ug/l	100
85) sec-Butylbenzene	13.251	105	219390	20.404	ug/l	100
86) p-Isopropyltoluene	13.373	119	182249	20.365	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	95705	20.763	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	94220	20.567	ug/l	100
89) n-Butylbenzene	13.696	91	164281	20.193	ug/l	99
90) Hexachloroethane	13.959	117	36413	20.476	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	84300	20.324	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6869	20.623	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	48903	20.215	ug/l	99
94) Hexachlorobutadiene	15.111	225	31305	20.366	ug/l	99
95) Naphthalene	15.239	128	94295	20.125	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	43039	20.596	ug/l	99

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

