

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011836.D
 Acq On : 14 Dec 2022 11:47
 Operator : KP/MD
 Sample : VY1214SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 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 01:17:46 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	212653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	298838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	68445	46.867	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.740%		
35) Dibromofluoromethane	7.716	113	71135	48.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.540%		
50) Toluene-d8	10.179	98	223431	45.813	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.620%		
62) 4-Bromofluorobenzene	12.483	95	92350	47.967	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29197	27.967	ug/l	97
3) Chloromethane	2.113	50	28419	22.705	ug/l	100
4) Vinyl Chloride	2.253	62	33305	22.404	ug/l	98
5) Bromomethane	2.650	94	23098	23.054	ug/l	97
6) Chloroethane	2.790	64	22378	21.221	ug/l	97
7) Trichlorofluoromethane	3.125	101	61832	21.152	ug/l	91
8) Diethyl Ether	3.527	74	18949	18.506	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	35629	20.417	ug/l	98
10) Methyl Iodide	4.094	142	41192	20.161	ug/l	99
11) Tert butyl alcohol	4.942	59	26501	139.642	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	32528	20.669	ug/l	98
13) Acrolein	3.729	56	26863	89.610	ug/l	100
14) Allyl chloride	4.479	41	52167	19.955	ug/l	99
15) Acrylonitrile	5.161	53	53292	96.968	ug/l	99
16) Acetone	3.942	43	53984	92.971	ug/l	96
17) Carbon Disulfide	4.198	76	73648	20.492	ug/l	100
18) Methyl Acetate	4.479	43	29871	20.567	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	96985	19.682	ug/l	99
20) Methylene Chloride	4.716	84	48259	19.799	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	36867	20.843	ug/l	99
22) Diisopropyl ether	6.118	45	117663	20.630	ug/l	96
23) Vinyl Acetate	6.064	43	323729	99.491	ug/l	100
24) 1,1-Dichloroethane	6.015	63	69831	20.148	ug/l	98
25) 2-Butanone	6.984	43	73277	98.108	ug/l	99
26) 2,2-Dichloropropane	6.978	77	67084	20.573	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	43875	20.295	ug/l	98
28) Bromochloromethane	7.332	49	25084	19.879	ug/l	99
29) Tetrahydrofuran	7.350	42	40500	95.268	ug/l	100
30) Chloroform	7.508	83	76509	20.648	ug/l	97
31) Cyclohexane	7.789	56	53992	19.958	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	68392	20.696	ug/l	99
36) 1,1-Dichloropropene	7.917	75	52259	20.819	ug/l	99
37) Ethyl Acetate	7.070	43	28385	19.342	ug/l	97
38) Carbon Tetrachloride	7.899	117	61826	20.968	ug/l	94
39) Methylcyclohexane	9.185	83	57217	20.258	ug/l	95
40) Benzene	8.161	78	157500	21.003	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14394	19.429	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	48399	20.871	ug/l	100
43) Isopropyl Acetate	8.271	43	52513	19.734	ug/l	99
44) Trichloroethene	8.941	130	44059	20.978	ug/l	96
45) 1,2-Dichloropropane	9.215	63	39291	20.244	ug/l	100
46) Dibromomethane	9.307	93	21841	20.103	ug/l	97
47) Bromodichloromethane	9.496	83	57852	20.611	ug/l	99
48) Methyl methacrylate	9.295	41	22685	19.339	ug/l	98
49) 1,4-Dioxane	9.301	88	5890	391.332	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	142546	97.216	ug/l	100
52) Toluene	10.246	92	101482	21.287	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	57457	20.494	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	64519	20.482	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	33494	20.858	ug/l	98
56) Ethyl methacrylate	10.508	69	40317	19.449	ug/l	98
57) 1,3-Dichloropropane	10.788	76	55711	20.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	98495	102.469	ug/l	100
59) 2-Hexanone	10.831	43	104046	99.314	ug/l	99
60) Dibromochloromethane	10.983	129	41387	20.578	ug/l	99
61) 1,2-Dibromoethane	11.087	107	29816	20.495	ug/l	99
64) Tetrachloroethene	10.721	164	43875	20.751	ug/l	93
65) Chlorobenzene	11.514	112	110628	20.545	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	42896	20.535	ug/l	98
67) Ethyl Benzene	11.593	91	196063	20.665	ug/l	99
68) m/p-Xylenes	11.703	106	153900	42.357	ug/l	98
69) o-Xylene	12.032	106	72113	20.822	ug/l	100
70) Styrene	12.044	104	123076	20.821	ug/l	99
71) Bromoform	12.209	173	26120	20.272	ug/l #	100
73) Isopropylbenzene	12.331	105	200156	20.752	ug/l	99
74) N-amyl acetate	12.142	43	44055	18.997	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	37814	20.131	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29429m	19.539	ug/l	
77) Bromobenzene	12.611	156	46429	20.617	ug/l	99
78) n-propylbenzene	12.672	91	240789	20.832	ug/l	99
79) 2-Chlorotoluene	12.758	91	135613	20.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	169658	20.810	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	12800	19.285	ug/l	99
82) 4-Chlorotoluene	12.855	91	141068	20.617	ug/l	100
83) tert-Butylbenzene	13.075	119	146628	20.655	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	166789	20.778	ug/l	99
85) sec-Butylbenzene	13.251	105	217599	20.583	ug/l	99
86) p-Isopropyltoluene	13.367	119	182855	20.781	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	93846	20.708	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	92578	20.554	ug/l	100
89) n-Butylbenzene	13.696	91	166762	20.848	ug/l	99
90) Hexachloroethane	13.959	117	35456	20.279	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	83683	20.519	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6213	18.971	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	48470	20.378	ug/l	98
94) Hexachlorobutadiene	15.111	225	31714	20.985	ug/l	99
95) Naphthalene	15.239	128	89806	19.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	42036	20.460	ug/l	98

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

