

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011493.D
 Acq On : 18 Nov 2022 11:04
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 21:33:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 21:29:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	174025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	270449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	252096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	39406	22.385	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.760%#		
35) Dibromofluoromethane	7.722	113	36009	21.708	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.420%#		
50) Toluene-d8	10.179	98	135242	22.384	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	44.760%#		
62) 4-Bromofluorobenzene	12.483	95	47129	21.371	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	42.740%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	28502	25.139	ug/l	99
3) Chloromethane	2.119	50	37658	22.458	ug/l	94
4) Vinyl Chloride	2.253	62	43933	22.346	ug/l	99
5) Bromomethane	2.644	94	31272	21.580	ug/l	99
6) Chloroethane	2.790	64	30099	21.948	ug/l	97
7) Trichlorofluoromethane	3.131	101	63999	22.138	ug/l	93
8) Diethyl Ether	3.534	74	19609	20.942	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.900	101	35262	21.013	ug/l	95
10) Methyl Iodide	4.101	142	42781	21.905	ug/l	94
11) Tert butyl alcohol	4.948	59	31504	129.257	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	31977	20.858	ug/l	92
13) Acrolein	3.735	56	6842	145.691	ug/l	100
14) Allyl chloride	4.485	41	58005	21.601	ug/l	94
15) Acrylonitrile	5.168	53	55599	108.515	ug/l	98
16) Acetone	3.948	43	60155	104.710	ug/l	95
17) Carbon Disulfide	4.198	76	93091	22.018	ug/l	98
18) Methyl Acetate	4.479	43	33500	21.976	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	90431	20.717	ug/l	95
20) Methylene Chloride	4.723	84	70079	23.339	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	36793	20.879	ug/l	91
22) Diisopropyl ether	6.125	45	124569	21.195	ug/l	95
23) Vinyl Acetate	6.064	43	364095	106.369	ug/l	97
24) 1,1-Dichloroethane	6.021	63	70350	20.500	ug/l	99
25) 2-Butanone	6.990	43	83258	110.032	ug/l	91
26) 2,2-Dichloropropane	6.984	77	65654	20.558	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	42219	20.273	ug/l	97
28) Bromochloromethane	7.338	49	28821	20.876	ug/l #	98
29) Tetrahydrofuran	7.350	42	47416	111.388	ug/l	95
30) Chloroform	7.509	83	74073	20.775	ug/l	99
31) Cyclohexane	7.789	56	60164	20.450	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	65423	20.496	ug/l	98
36) 1,1-Dichloropropene	7.917	75	52345	20.164	ug/l	97
37) Ethyl Acetate	7.076	43	33924	22.930	ug/l	97
38) Carbon Tetrachloride	7.905	117	58758	20.323	ug/l	97
39) Methylcyclohexane	9.185	83	59494	20.515	ug/l	93
40) Benzene	8.161	78	159070	21.019	ug/l	97

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41) Methacrylonitrile	7.320	41	14949m	21.747	ug/l	
42) 1,2-Dichloroethane	8.240	62	48459	20.747	ug/l	94
43) Isopropyl Acetate	8.277	43	56399	21.078	ug/l	94
44) Trichloroethene	8.941	130	41370	20.322	ug/l	96
45) 1,2-Dichloropropane	9.216	63	40469	20.894	ug/l	97
46) Dibromomethane	9.307	93	22583	20.839	ug/l	97
47) Bromodichloromethane	9.496	83	56104	20.571	ug/l	99
48) Methyl methacrylate	9.295	41	24885	20.903	ug/l #	89
49) 1,4-Dioxane	9.301	88	6042	453.839	ug/l	86
51) 4-Methyl-2-Pentanone	10.075	43	161249	108.262	ug/l	96
52) Toluene	10.246	92	98219	20.563	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	55452	20.363	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	62589	20.381	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	31622	20.527	ug/l	98
56) Ethyl methacrylate	10.508	69	39419	20.404	ug/l	89
57) 1,3-Dichloropropane	10.795	76	55448	21.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	99867	105.439	ug/l	98
59) 2-Hexanone	10.831	43	117310	110.133	ug/l	97
60) Dibromochloromethane	10.984	129	39017	20.563	ug/l	99
61) 1,2-Dibromoethane	11.093	107	29347	20.718	ug/l	99
64) Tetrachloroethene	10.721	164	41556	20.080	ug/l	97
65) Chlorobenzene	11.520	112	108084	20.454	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	41023	20.429	ug/l	98
67) Ethyl Benzene	11.593	91	190027	19.970	ug/l	98
68) m/p-Xylenes	11.703	106	147680	40.652	ug/l	97
69) o-Xylene	12.032	106	67648	19.964	ug/l	97
70) Styrene	12.044	104	117442	20.399	ug/l	97
71) Bromoform	12.209	173	25521	20.871	ug/l #	97
73) Isopropylbenzene	12.331	105	183835	19.527	ug/l	99
74) N-amyl acetate	12.148	43	47749	20.466	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	37604	20.313	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	26641m	16.495	ug/l	
77) Bromobenzene	12.611	156	44550	20.183	ug/l	97
78) n-propylbenzene	12.672	91	230097	20.006	ug/l	100
79) 2-Chlorotoluene	12.758	91	129096	19.898	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	158371	19.963	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13040	20.481	ug/l	94
82) 4-Chlorotoluene	12.855	91	134416	19.850	ug/l	99
83) tert-Butylbenzene	13.075	119	136546	19.734	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	158818	20.236	ug/l	99
85) sec-Butylbenzene	13.258	105	206503	19.986	ug/l	100
86) p-Isopropyltoluene	13.373	119	172859	20.065	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	88927	19.838	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	88747	19.854	ug/l	99
89) n-Butylbenzene	13.697	91	156751	19.773	ug/l	100
90) Hexachloroethane	13.965	117	33728	19.480	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	79187	19.975	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6185	20.208	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	42012	19.255	ug/l	98
94) Hexachlorobutadiene	15.111	225	27417	19.965	ug/l	98
95) Naphthalene	15.239	128	79081	19.261	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	36922	19.780	ug/l	99

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

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