

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020472.D
 Acq On : 02 Dec 2024 09:16
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 12/03/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:34:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 02 14:33:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	178825	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	284363	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	228277	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	102161	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	10399	5.718	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.440%#		
35) Dibromofluoromethane	7.652	113	10015	5.594	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.180%#		
50) Toluene-d8	10.122	98	37392	5.485	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.980%#		
62) 4-Bromofluorobenzene	12.420	95	14320	6.006	ug/l	0.02
Spiked Amount 50.000	Range 29 - 146		Recovery =	12.020%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.879	85	9051	5.189	ug/l	100
3) Chloromethane	2.086	50	9555	5.416	ug/l	96
4) Vinyl Chloride	2.221	62	9404	5.222	ug/l #	84
5) Bromomethane	2.617	94	5760	5.452	ug/l	94
6) Chloroethane	2.757	64	5816	5.270	ug/l	99
7) Trichlorofluoromethane	3.080	101	18222	5.403	ug/l	91
8) Diethyl Ether	3.470	74	5437	5.690	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.836	101	10995	5.595	ug/l	95
10) Methyl Iodide	4.025	142	10718	4.859	ug/l	96
11) Tert butyl alcohol	4.872	59	3578	30.328	ug/l #	73
12) 1,1-Dichloroethene	3.812	96	10023	5.399	ug/l	95
13) Acrolein	3.671	56	3593	32.528	ug/l	93
14) Allyl chloride	4.403	41	18125	5.474	ug/l	94
15) Acrylonitrile	5.092	53	11038	27.723	ug/l	99
16) Acetone	3.885	43	11973	26.477	ug/l	100
17) Carbon Disulfide	4.129	76	25853	4.866	ug/l	96
18) Methyl Acetate	4.415	43	5409	5.628	ug/l	99
19) Methyl tert-butyl Ether	5.141	73	26244	5.536	ug/l	95
20) Methylene Chloride	4.641	84	10506	5.461	ug/l	95
21) trans-1,2-Dichloroethene	5.141	96	11589	5.621	ug/l	95
22) Diisopropyl ether	6.043	45	36321	5.517	ug/l	95
23) Vinyl Acetate	5.988	43	91450	26.261	ug/l	100
24) 1,1-Dichloroethane	5.945	63	21720	5.480	ug/l	99
25) 2-Butanone	6.915	43	15248	26.703	ug/l	100
26) 2,2-Dichloropropane	6.903	77	20839	5.559	ug/l	99
27) cis-1,2-Dichloroethene	6.915	96	12929	5.370	ug/l	97
28) Bromochloromethane	7.268	49	8001	5.406	ug/l	93
29) Tetrahydrofuran	7.287	42	9160	28.119	ug/l	99
30) Chloroform	7.439	83	22668	5.572	ug/l	99
31) Cyclohexane	7.720	56	20962	5.850	ug/l #	66
32) 1,1,1-Trichloroethane	7.634	97	21761	5.555	ug/l	99
36) 1,1-Dichloropropene	7.854	75	16015	5.297	ug/l	99
37) Ethyl Acetate	7.000	43	7014	5.856	ug/l	99
38) Carbon Tetrachloride	7.835	117	19058	5.282	ug/l	95
39) Methylcyclohexane	9.122	83	19023	5.071	ug/l	96
40) Benzene	8.098	78	47972	5.382	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	3767	2.898	ug/l #	85
42) 1,2-Dichloroethane	8.171	62	12405	5.297	ug/l	99
43) Isopropyl Acetate	8.213	43	12609	5.214	ug/l	94
44) Trichloroethene	8.878	130	11643	5.299	ug/l	97
45) 1,2-Dichloropropane	9.152	63	11776	5.646	ug/l	95
46) Dibromomethane	9.250	93	5515	5.340	ug/l	97
47) Bromodichloromethane	9.439	83	16718	5.495	ug/l	97
48) Methyl methacrylate	9.238	41	5558	4.928	ug/l	96
49) 1,4-Dioxane	9.244	88	1187	120.246	ug/l #	90
51) 4-Methyl-2-Pentanone	10.012	43	31570	26.432	ug/l	96
52) Toluene	10.182	92	29207	5.252	ug/l	99
53) t-1,3-Dichloropropene	10.408	75	14311	5.239	ug/l	94
54) cis-1,3-Dichloropropene	9.865	75	16925	5.243	ug/l	100
55) 1,1,2-Trichloroethane	10.579	97	7326	5.318	ug/l	92
56) Ethyl methacrylate	10.451	69	9564	4.907	ug/l	97
57) 1,3-Dichloropropane	10.731	76	13618	5.520	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.725	63	22288	24.421	ug/l	94
59) 2-Hexanone	10.774	43	21952	25.477	ug/l	96
60) Dibromochloromethane	10.926	129	10538	5.494	ug/l	100
61) 1,2-Dibromoethane	11.024	107	6966	5.529	ug/l	96
64) Tetrachloroethene	10.658	164	10411	5.397	ug/l	86
65) Chlorobenzene	11.451	112	30503	5.331	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.530	131	11209	5.524	ug/l	98
67) Ethyl Benzene	11.530	91	56626	5.280	ug/l	99
68) m/p-Xylenes	11.640	106	41510	10.570	ug/l	97
69) o-Xylene	11.969	106	19192	5.216	ug/l	96
70) Styrene	11.981	104	32027	5.218	ug/l	99
71) Bromoform	12.146	173	5650	5.476	ug/l #	97
73) Isopropylbenzene	12.268	105	54241	5.487	ug/l	99
74) N-amyl acetate	12.079	43	9861	5.090	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.517	83	8116	5.710	ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	5973m	3.096	ug/l	
77) Bromobenzene	12.542	156	11207	5.475	ug/l	98
78) n-propylbenzene	12.609	91	63666	5.440	ug/l	99
79) 2-Chlorotoluene	12.694	91	36119	5.469	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	42721	5.393	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2724	5.371	ug/l	99
82) 4-Chlorotoluene	12.792	91	36917	5.478	ug/l	98
83) tert-Butylbenzene	13.011	119	39095	5.459	ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	41106	5.339	ug/l	100
85) sec-Butylbenzene	13.188	105	55327	5.391	ug/l	99
86) p-Isopropyltoluene	13.304	119	45103	5.318	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	21748	5.509	ug/l	99
88) 1,4-Dichlorobenzene	13.383	146	21267	5.503	ug/l	95
89) n-Butylbenzene	13.633	91	40916	5.201	ug/l	98
90) Hexachloroethane	13.895	117	9033	5.465	ug/l	98
91) 1,2-Dichlorobenzene	13.670	146	18099	5.406	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1145	5.321	ug/l	93
93) 1,2,4-Trichlorobenzene	14.938	180	9390	4.988	ug/l	98
94) Hexachlorobutadiene	15.041	225	6613	5.021	ug/l	95
95) Naphthalene	15.157	128	13952	4.580	ug/l	98
96) 1,2,3-Trichlorobenzene	15.346	180	7300	4.806	ug/l	97

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

