

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021825\
 Data File : VY021226.D
 Acq On : 18 Feb 2025 10:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/19/2025
 Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 04:11:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	160761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	250180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	217548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	107740	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	90215	54.771	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.540%	
35) Dibromofluoromethane	7.646	113	82278	51.317	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.640%	
50) Toluene-d8	10.115	98	309032	50.628	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.260%	
62) 4-Bromofluorobenzene	12.414	95	107145	53.730	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.460%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	63306	44.182	ug/l	98
3) Chloromethane	2.074	50	69351	49.050	ug/l	98
4) Vinyl Chloride	2.214	62	71318	50.114	ug/l	99
5) Bromomethane	2.611	94	40267	45.780	ug/l	94
6) Chloroethane	2.745	64	43641	51.515	ug/l	98
7) Trichlorofluoromethane	3.074	101	121973	47.045	ug/l	99
8) Diethyl Ether	3.470	74	40968	50.617	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.830	101	75481	46.387	ug/l	96
10) Methyl Iodide	4.019	142	83419	46.144	ug/l	93
11) Tert butyl alcohol	4.909	59	29457	263.909	ug/l	97
12) 1,1-Dichloroethene	3.805	96	70226	45.815	ug/l	86
13) Acrolein	3.671	56	31708	184.478	ug/l	99
14) Allyl chloride	4.397	41	127561	49.378	ug/l	95
15) Acrylonitrile	5.080	53	97393	288.967	ug/l	99
16) Acetone	3.891	43	76046	296.054	ug/l	95
17) Carbon Disulfide	4.122	76	205048	42.660	ug/l	100
18) Methyl Acetate	4.403	43	55565	61.622	ug/l	97
19) Methyl tert-butyl Ether	5.134	73	211721	54.648	ug/l	98
20) Methylene Chloride	4.635	84	77960	48.822	ug/l	93
21) trans-1,2-Dichloroethene	5.134	96	77932	46.189	ug/l	93
22) Diisopropyl ether	6.037	45	280711	52.718	ug/l	99
23) Vinyl Acetate	5.976	43	827659	278.825	ug/l	98
24) 1,1-Dichloroethane	5.933	63	152298	48.818	ug/l	99
25) 2-Butanone	6.915	43	125560	297.465	ug/l	94
26) 2,2-Dichloropropane	6.902	77	139312	48.261	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	94393	48.604	ug/l	94
28) Bromochloromethane	7.256	49	68245	55.321	ug/l	98
29) Tetrahydrofuran	7.280	42	86073	301.355	ug/l	94
30) Chloroform	7.433	83	157658	49.200	ug/l	98
31) Cyclohexane	7.713	56	126019	44.856	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	144428	48.478	ug/l	99
36) 1,1-Dichloropropene	7.847	75	110708	46.618	ug/l	99
37) Ethyl Acetate	7.000	43	60765	58.327	ug/l	98
38) Carbon Tetrachloride	7.829	117	130260	46.943	ug/l	99
39) Methylcyclohexane	9.122	83	136558	47.011	ug/l	98
40) Benzene	8.091	78	334494	47.996	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	34180	56.710	ug/l	97
42) 1,2-Dichloroethane	8.171	62	99609	51.524	ug/l	95
43) Isopropyl Acetate	8.207	43	120420	58.172	ug/l	96
44) Trichloroethene	8.878	130	82996	46.095	ug/l	97
45) 1,2-Dichloropropane	9.152	63	82840	50.080	ug/l	99
46) Dibromomethane	9.243	93	46509	50.782	ug/l	96
47) Bromodichloromethane	9.432	83	123215	50.163	ug/l	97
48) Methyl methacrylate	9.231	41	57406	60.880	ug/l	92
49) 1,4-Dioxane	9.243	88	9899	1161.039	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	317098	304.615	ug/l	97
52) Toluene	10.182	92	212394	48.537	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	116992	53.044	ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	133505	51.123	ug/l	91
55) 1,1,2-Trichloroethane	10.585	97	60608	51.103	ug/l	98
56) Ethyl methacrylate	10.451	69	90796	57.227	ug/l	90
57) 1,3-Dichloropropane	10.725	76	107479	52.357	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	213867	283.339	ug/l	99
59) 2-Hexanone	10.768	43	213413	318.410	ug/l	96
60) Dibromochloromethane	10.920	129	86529	51.953	ug/l	98
61) 1,2-Dibromoethane	11.024	107	57824	52.052	ug/l	100
64) Tetrachloroethene	10.658	164	72772	45.061	ug/l	98
65) Chlorobenzene	11.450	112	229812	47.442	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	83725	48.636	ug/l	96
67) Ethyl Benzene	11.530	91	414961	48.432	ug/l	99
68) m/p-Xylenes	11.639	106	307907	96.064	ug/l	97
69) o-Xylene	11.963	106	145304	48.624	ug/l	97
70) Styrene	11.981	104	248391	49.871	ug/l	98
71) Bromoform	12.145	173	50820	53.037	ug/l #	97
73) Isopropylbenzene	12.267	105	391307	46.496	ug/l	100
74) N-amyl acetate	12.078	43	109100	59.294	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.517	83	74727	53.388	ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	50352m	51.520	ug/l	
77) Bromobenzene	12.542	156	90715	46.709	ug/l	96
78) n-propylbenzene	12.603	91	474846	47.364	ug/l	99
79) 2-Chlorotoluene	12.688	91	269485	46.932	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	324839	47.606	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	26144	54.583	ug/l	96
82) 4-Chlorotoluene	12.786	91	276477	47.259	ug/l	100
83) tert-Butylbenzene	13.005	119	286951	46.266	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	318570	47.749	ug/l	98
85) sec-Butylbenzene	13.188	105	423816	47.471	ug/l	98
86) p-Isopropyltoluene	13.304	119	352501	47.531	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	176322	47.019	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	174171	47.172	ug/l	99
89) n-Butylbenzene	13.627	91	335486	49.587	ug/l	99
90) Hexachloroethane	13.889	117	71860	46.447	ug/l	85
91) 1,2-Dichlorobenzene	13.670	146	157977	48.537	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12050	57.610	ug/l	97
93) 1,2,4-Trichlorobenzene	14.932	180	99457	54.897	ug/l	97
94) Hexachlorobutadiene	15.035	225	61264	51.029	ug/l	99
95) Naphthalene	15.157	128	181777	62.714	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	86551	57.406	ug/l	98

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

