

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010825\
 Data File : VY020808.D
 Acq On : 08 Jan 2025 15:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 09 00:21:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/09/2025
 Supervised By :Semsettin Yesilyurt 01/09/2025

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	183713	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.634	114	281444	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.432	117	241895	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.365	152	120542	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	90417	57.904	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.800%
35) Dibromofluoromethane	7.652	113	97098	55.068	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.140%
50) Toluene-d8	10.121	98	357599	58.178	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.360%
62) 4-Bromofluorobenzene	12.420	95	123155	54.257	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	108.520%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.879	85	58913	43.696	ug/l	98
3) Chloromethane	2.080	50	38432	54.137	ug/l	95
4) Vinyl Chloride	2.220	62	43740	55.425	ug/l	96
5) Bromomethane	2.617	94	27662	49.213	ug/l	89
6) Chloroethane	2.757	64	27459	56.418	ug/l	95
7) Trichlorofluoromethane	3.080	101	111617	46.083	ug/l	95
8) Diethyl Ether	3.476	74	40348	53.269	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	77356	47.294	ug/l	99
10) Methyl Iodide	4.031	142	94525	53.926	ug/l	96
11) Tert butyl alcohol	4.909	59	24997	211.855	ug/l	99
12) 1,1-Dichloroethene	3.818	96	72518	50.618	ug/l	98
13) Acrolein	3.677	56	4770	143.955	ug/l	92
14) Allyl chloride	4.409	41	113175	54.756	ug/l	94
15) Acrylonitrile	5.092	53	84952	263.900	ug/l	98
16) Acetone	3.903	43	55454	249.738	ug/l	100
17) Carbon Disulfide	4.135	76	167694	53.957	ug/l	100
18) Methyl Acetate	4.415	43	42548	56.750	ug/l	98
19) Methyl tert-butyl Ether	5.140	73	210069	51.957	ug/l	99
20) Methylene Chloride	4.641	84	83227	54.273	ug/l	98
21) trans-1,2-Dichloroethene	5.140	96	81252	51.501	ug/l	95
22) Diisopropyl ether	6.043	45	255082	57.935	ug/l	98
23) Vinyl Acetate	5.988	43	672464	277.003	ug/l	99
24) 1,1-Dichloroethane	5.939	63	155493	53.528	ug/l	99
25) 2-Butanone	6.921	43	94902	260.182	ug/l	99
26) 2,2-Dichloropropane	6.908	77	132423	43.906	ug/l	99
27) cis-1,2-Dichloroethene	6.915	96	104338	52.416	ug/l	100
28) Bromochloromethane	7.268	49	53194	67.863	ug/l	94
29) Tetrahydrofuran	7.286	42	62924	270.056	ug/l	95
30) Chloroform	7.445	83	169410	51.139	ug/l	99
31) Cyclohexane	7.719	56	106055	46.676	ug/l	96
32) 1,1,1-Trichloroethane	7.640	97	152498	47.194	ug/l	99
36) 1,1-Dichloropropene	7.853	75	107220	47.675	ug/l	100
37) Ethyl Acetate	7.006	43	46291	51.723	ug/l	98
38) Carbon Tetrachloride	7.841	117	140015	44.725	ug/l	100
39) Methylcyclohexane	9.128	83	124627	45.158	ug/l	99
40) Benzene	8.097	78	351923	50.985	ug/l	98

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41) Methacrylonitrile	7.244	41	28425	55.458	ug/l	94
42) 1,2-Dichloroethane	8.177	62	95237	50.524	ug/l	99
43) Isopropyl Acetate	8.213	43	93576	51.405	ug/l	99
44) Trichloroethene	8.884	130	91606	47.608	ug/l	96
45) 1,2-Dichloropropane	9.158	63	82838	52.939	ug/l	99
46) Dibromomethane	9.243	93	46241	51.461	ug/l	96
47) Bromodichloromethane	9.438	83	129414	50.288	ug/l	99
48) Methyl methacrylate	9.237	41	41590	50.962	ug/l	96
49) 1,4-Dioxane	9.256	88	9859	1033.399	ug/l #	78
51) 4-Methyl-2-Pentanone	10.012	43	234008	257.313	ug/l	99
52) Toluene	10.188	92	230016	50.323	ug/l	100
53) t-1,3-Dichloropropene	10.408	75	115484	50.456	ug/l	98
54) cis-1,3-Dichloropropene	9.871	75	134457	50.582	ug/l	94
55) 1,1,2-Trichloroethane	10.585	97	64070	49.910	ug/l	95
56) Ethyl methacrylate	10.450	69	85738	52.885	ug/l	98
57) 1,3-Dichloropropane	10.731	76	108522	51.862	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.725	63	165941	258.011	ug/l	97
59) 2-Hexanone	10.774	43	152080	260.660	ug/l	96
60) Dibromochloromethane	10.926	129	93427	50.181	ug/l	100
61) 1,2-Dibromoethane	11.030	107	58717	50.948	ug/l	100
64) Tetrachloroethene	10.658	164	79593	44.754	ug/l	95
65) Chlorobenzene	11.456	112	260357	48.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.530	131	95373	46.843	ug/l	98
67) Ethyl Benzene	11.536	91	445028	48.061	ug/l	99
68) m/p-Xylenes	11.639	106	339629	95.265	ug/l	99
69) o-Xylene	11.969	106	165215	48.877	ug/l	97
70) Styrene	11.981	104	278716	48.983	ug/l	100
71) Bromoform	12.145	173	54942	47.469	ug/l #	99
73) Isopropylbenzene	12.267	105	437700	45.771	ug/l	100
74) N-amyl acetate	12.084	43	78330	50.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.517	83	70298	48.502	ug/l	98
76) 1,2,3-Trichloropropane	12.572	75	53155m	50.397	ug/l	
77) Bromobenzene	12.548	156	105485	47.844	ug/l	99
78) n-propylbenzene	12.609	91	500074	46.072	ug/l	99
79) 2-Chlorotoluene	12.694	91	293232	46.913	ug/l	100
80) 1,3,5-Trimethylbenzene	12.749	105	359362	46.370	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	22375	44.731	ug/l	97
82) 4-Chlorotoluene	12.792	91	300135	46.528	ug/l	99
83) tert-Butylbenzene	13.011	119	325068	44.847	ug/l	98
84) 1,2,4-Trimethylbenzene	13.060	105	356883	47.157	ug/l	100
85) sec-Butylbenzene	13.188	105	456181	45.057	ug/l	98
86) p-Isopropyltoluene	13.304	119	390583	45.223	ug/l	99
87) 1,3-Dichlorobenzene	13.304	146	200461	46.793	ug/l	99
88) 1,4-Dichlorobenzene	13.383	146	197511	46.837	ug/l	100
89) n-Butylbenzene	13.633	91	348208	46.472	ug/l	100
90) Hexachloroethane	13.895	117	77431	44.648	ug/l	100
91) 1,2-Dichlorobenzene	13.676	146	177295	47.333	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.291	75	10483	44.732	ug/l	99
93) 1,2,4-Trichlorobenzene	14.937	180	106554	49.431	ug/l	99
94) Hexachlorobutadiene	15.041	225	70507	46.397	ug/l	99
95) Naphthalene	15.163	128	173671	48.951	ug/l	100
96) 1,2,3-Trichlorobenzene	15.346	180	86761	48.041	ug/l	99

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

