

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021108.D
 Acq On : 06 Feb 2025 13:38
 Operator : SY/MD
 Sample : Q1168-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

Quant Time: Feb 07 02:31:00 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	7.713	168	188768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	299515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	254813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	121227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	111615	57.710	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.420%			
35) Dibromofluoromethane	7.640	113	107094	55.793	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.580%			
50) Toluene-d8	10.109	98	394904	54.040	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.080%			
62) 4-Bromofluorobenzene	12.408	95	131050	54.893	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	11257	6.691	ug/l	91
3) Chloromethane	2.074	50	10663	6.423	ug/l	99
4) Vinyl Chloride	2.208	62	10386	6.215	ug/l	100
5) Bromomethane	2.598	94	7401	7.166	ug/l	88
6) Chloroethane	2.739	64	6432	6.466	ug/l	93
7) Trichlorofluoromethane	3.062	101	18430	6.054	ug/l	97
8) Diethyl Ether	3.464	74	5592	5.884	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.830	101	10612	5.554	ug/l	92
10) Methyl Iodide	4.013	142	10365	4.883	ug/l	92
11) Tert butyl alcohol	4.872	59	4612	35.189	ug/l #	86
12) 1,1-Dichloroethene	3.799	96	10155	5.642	ug/l	96
13) Acrolein	3.653	56	5633	27.911	ug/l	94
14) Allyl chloride	4.397	41	17144	5.652	ug/l	97
15) Acrylonitrile	5.074	53	11321	28.606	ug/l	94
16) Acetone	3.879	43	9209	30.532	ug/l	91
17) Carbon Disulfide	4.110	76	29588	5.242	ug/l	96
18) Methyl Acetate	4.391	43	6186	5.842	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	26380	5.799	ug/l	100
20) Methylene Chloride	4.622	84	11559	6.165	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	10793	5.448	ug/l	99
22) Diisopropyl ether	6.025	45	35429	5.666	ug/l	93
23) Vinyl Acetate	5.964	43	95975	27.535	ug/l	100
24) 1,1-Dichloroethane	5.927	63	20445	5.581	ug/l	99
25) 2-Butanone	6.903	43	14685	29.629	ug/l	94
26) 2,2-Dichloropropane	6.884	77	18914	5.580	ug/l	94
27) cis-1,2-Dichloroethene	6.903	96	12439	5.455	ug/l	93
28) Bromochloromethane	7.250	49	8678	5.991	ug/l	100
29) Tetrahydrofuran	7.274	42	9734	29.024	ug/l	94
30) Chloroform	7.427	83	21336	5.670	ug/l	99
31) Cyclohexane	7.707	56	20566	6.234	ug/l #	86
32) 1,1,1-Trichloroethane	7.616	97	19450	5.560	ug/l	99
36) 1,1-Dichloropropene	7.841	75	15031	5.287	ug/l	99
37) Ethyl Acetate	6.994	43	7475	5.993	ug/l #	95
38) Carbon Tetrachloride	7.823	117	17835	5.369	ug/l	95
39) Methylcyclohexane	9.116	83	17481	5.027	ug/l	97
40) Benzene	8.085	78	46227	5.541	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	3160m	4.379	ug/l	
42) 1,2-Dichloroethane	8.165	62	12959	5.599	ug/l	99
43) Isopropyl Acetate	8.207	43	13646	5.506	ug/l	97
44) Trichloroethene	8.872	130	11937	5.538	ug/l	84
45) 1,2-Dichloropropane	9.146	63	10912	5.510	ug/l	93
46) Dibromomethane	9.238	93	5988	5.461	ug/l	95
47) Bromodichloromethane	9.426	83	16075	5.466	ug/l #	97
48) Methyl methacrylate	9.225	41	5670	5.023	ug/l	96
49) 1,4-Dioxane	9.238	88	1043	102.182	ug/l #	72
51) 4-Methyl-2-Pentanone	10.000	43	33772	27.099	ug/l	97
52) Toluene	10.176	92	28419	5.425	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	14107	5.343	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	16337	5.226	ug/l	90
55) 1,1,2-Trichloroethane	10.573	97	7949	5.598	ug/l	92
56) Ethyl methacrylate	10.445	69	9871	5.197	ug/l #	90
57) 1,3-Dichloropropane	10.725	76	13612	5.539	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.719	63	22101	24.457	ug/l	99
59) 2-Hexanone	10.768	43	20659	25.746	ug/l	96
60) Dibromochloromethane	10.914	129	10715	5.374	ug/l	99
61) 1,2-Dibromoethane	11.018	107	7374	5.545	ug/l	95
64) Tetrachloroethene	10.652	164	10087	5.333	ug/l	94
65) Chlorobenzene	11.444	112	30668	5.405	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	11090	5.500	ug/l	98
67) Ethyl Benzene	11.524	91	52005	5.182	ug/l	98
68) m/p-Xylenes	11.633	106	38994	10.387	ug/l	99
69) o-Xylene	11.957	106	18148	5.185	ug/l	97
70) Styrene	11.975	104	29940	5.132	ug/l	97
71) Bromoform	12.139	173	6291	5.605	ug/l #	94
73) Isopropylbenzene	12.261	105	48004	5.069	ug/l	100
74) N-amyl acetate	12.072	43	9929	4.796	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	8715	5.534	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	6176m	5.616	ug/l	
77) Bromobenzene	12.536	156	11817	5.408	ug/l	96
78) n-propylbenzene	12.597	91	59521	5.276	ug/l	100
79) 2-Chlorotoluene	12.682	91	34388	5.323	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	39339	5.124	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2719	5.045	ug/l	92
82) 4-Chlorotoluene	12.780	91	35781	5.436	ug/l	99
83) tert-Butylbenzene	12.999	119	34802	4.987	ug/l	95
84) 1,2,4-Trimethylbenzene	13.048	105	39166	5.217	ug/l	97
85) sec-Butylbenzene	13.182	105	50871	5.064	ug/l	97
86) p-Isopropyltoluene	13.298	119	41436	4.966	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	22876	5.422	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	22830	5.495	ug/l	94
89) n-Butylbenzene	13.621	91	37141	4.879	ug/l	97
90) Hexachloroethane	13.883	117	9086	5.219	ug/l	83
91) 1,2-Dichlorobenzene	13.664	146	20423	5.577	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1189	5.052	ug/l	95
93) 1,2,4-Trichlorobenzene	14.926	180	9231	4.528	ug/l	89
94) Hexachlorobutadiene	15.029	225	7031	5.205	ug/l	99
95) Naphthalene	15.151	128	15341	4.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	8287	4.885	ug/l	98

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

