

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021049.D
 Acq On : 04 Feb 2025 11:15
 Operator : SY/MD
 Sample : VY0204SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBSD01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/05/2025
 Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 05 00:44:20 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	7.707	168	146628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	228862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	199914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	101483	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	82979	55.234	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.460%
35) Dibromofluoromethane	7.634	113	78118	53.261	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.520%
50) Toluene-d8	10.109	98	301231	53.947	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.900%
62) 4-Bromofluorobenzene	12.408	95	102686	56.291	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.580%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	25275	19.340	ug/l	100
3) Chloromethane	2.068	50	25438	19.726	ug/l	99
4) Vinyl Chloride	2.208	62	23489	18.096	ug/l	96
5) Bromomethane	2.592	94	15435	19.240	ug/l	96
6) Chloroethane	2.732	64	13597	17.597	ug/l	92
7) Trichlorofluoromethane	3.062	101	43623	18.447	ug/l	99
8) Diethyl Ether	3.458	74	13989	18.950	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	28307	19.073	ug/l	96
10) Methyl Iodide	4.007	142	30758	18.654	ug/l	93
11) Tert butyl alcohol	4.866	59	12122	119.070	ug/l	97
12) 1,1-Dichloroethene	3.787	96	26361	18.855	ug/l	95
13) Acrolein	3.653	56	16917	107.911	ug/l	99
14) Allyl chloride	4.385	41	46391	19.689	ug/l	95
15) Acrylonitrile	5.061	53	33011	107.385	ug/l	98
16) Acetone	3.866	43	27652	118.028	ug/l	99
17) Carbon Disulfide	4.110	76	80275	18.311	ug/l	100
18) Methyl Acetate	4.391	43	17827	21.676	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	71999	20.375	ug/l	98
20) Methylene Chloride	4.616	84	29370	20.166	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	29992	19.489	ug/l	98
22) Diisopropyl ether	6.025	45	100790	20.753	ug/l	97
23) Vinyl Acetate	5.958	43	281228	103.873	ug/l	97
24) 1,1-Dichloroethane	5.915	63	57133	20.079	ug/l	100
25) 2-Butanone	6.890	43	42173	109.543	ug/l	98
26) 2,2-Dichloropropane	6.890	77	52601	19.978	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	35347	19.955	ug/l	95
28) Bromochloromethane	7.244	49	26277	23.354	ug/l	99
29) Tetrahydrofuran	7.262	42	28552	109.600	ug/l	95
30) Chloroform	7.421	83	58632	20.061	ug/l	100
31) Cyclohexane	7.701	56	47633	18.589	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	53948	19.853	ug/l	99
36) 1,1-Dichloropropene	7.835	75	41772	19.228	ug/l	99
37) Ethyl Acetate	6.982	43	20433	21.440	ug/l	99
38) Carbon Tetrachloride	7.823	117	49097	19.342	ug/l	99
39) Methylcyclohexane	9.109	83	49181	18.508	ug/l	96
40) Benzene	8.079	78	127577	20.011	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	9952	18.050	ug/l	91
42) 1,2-Dichloroethane	8.158	62	36140	20.435	ug/l	98
43) Isopropyl Acetate	8.195	43	39516	20.867	ug/l	98
44) Trichloroethene	8.866	130	32010	19.434	ug/l	95
45) 1,2-Dichloropropane	9.146	63	30339	20.050	ug/l	99
46) Dibromomethane	9.231	93	17527	20.920	ug/l	96
47) Bromodichloromethane	9.426	83	46392	20.646	ug/l	99
48) Methyl methacrylate	9.219	41	17694	20.513	ug/l	94
49) 1,4-Dioxane	9.225	88	3465	444.260	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	104432	109.666	ug/l	96
52) Toluene	10.170	92	80328	20.067	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	40857	20.250	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	48108	20.138	ug/l #	91
55) 1,1,2-Trichloroethane	10.573	97	22256	20.514	ug/l	97
56) Ethyl methacrylate	10.438	69	29794	20.528	ug/l	93
57) 1,3-Dichloropropane	10.719	76	38712	20.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	70063	101.468	ug/l	98
59) 2-Hexanone	10.762	43	67225	109.642	ug/l	95
60) Dibromochloromethane	10.914	129	31488	20.667	ug/l	97
61) 1,2-Dibromoethane	11.018	107	20435	20.109	ug/l	96
64) Tetrachloroethene	10.646	164	29061	19.582	ug/l	97
65) Chlorobenzene	11.444	112	87602	19.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	31681	20.027	ug/l	97
67) Ethyl Benzene	11.518	91	154275	19.594	ug/l	99
68) m/p-Xylenes	11.633	106	116912	39.693	ug/l	97
69) o-Xylene	11.956	106	55196	20.100	ug/l	97
70) Styrene	11.969	104	92679	20.249	ug/l	99
71) Bromoform	12.133	173	18763	21.309	ug/l #	100
73) Isopropylbenzene	12.255	105	146884	18.529	ug/l	99
74) N-amyl acetate	12.072	43	35202	20.311	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	26783	20.315	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	16518m	17.943	ug/l	
77) Bromobenzene	12.536	156	34826	19.037	ug/l	93
78) n-propylbenzene	12.597	91	177026	18.746	ug/l	98
79) 2-Chlorotoluene	12.682	91	101134	18.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	124402	19.356	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	8499	18.838	ug/l	89
82) 4-Chlorotoluene	12.779	91	104609	18.983	ug/l	99
83) tert-Butylbenzene	12.999	119	108559	18.583	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	120603	19.191	ug/l	99
85) sec-Butylbenzene	13.176	105	156108	18.564	ug/l	98
86) p-Isopropyltoluene	13.292	119	133404	19.097	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	67742	19.178	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	68868	19.802	ug/l	100
89) n-Butylbenzene	13.621	91	121493	19.065	ug/l	99
90) Hexachloroethane	13.883	117	27525	18.888	ug/l	89
91) 1,2-Dichlorobenzene	13.663	146	60946	19.879	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4096	20.790	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	34289	20.093	ug/l	98
94) Hexachlorobutadiene	15.023	225	22025	19.476	ug/l	99
95) Naphthalene	15.151	128	56048	20.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	29672	20.894	ug/l	96

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

