

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020844.D
 Acq On : 17 Jan 2025 10:35
 Operator : SY/MD
 Sample : VY0117SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBS01

Quant Time: Jan 17 23:21:15 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 01/20/2025
 Supervised By :Semsettin Yesilyurt 01/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	227324	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	330319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	273627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	137408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	93938	48.618	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.240%		
35) Dibromofluoromethane	7.652	113	102673	49.614	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.220%		
50) Toluene-d8	10.121	98	391830	54.315	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	108.640%		
62) 4-Bromofluorobenzene	12.414	95	130972	49.163	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	98.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	28950	17.353	ug/l	94
3) Chloromethane	2.080	50	17421	19.832	ug/l	97
4) Vinyl Chloride	2.214	62	19959	20.439	ug/l	92
5) Bromomethane	2.610	94	13037	18.744	ug/l	94
6) Chloroethane	2.751	64	12926	21.463	ug/l	93
7) Trichlorofluoromethane	3.080	101	55524	18.526	ug/l	100
8) Diethyl Ether	3.470	74	17458	18.627	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	40617	20.068	ug/l	98
10) Methyl Iodide	4.025	142	38965	17.965	ug/l	96
11) Tert butyl alcohol	4.872	59	14812	101.452	ug/l #	73
12) 1,1-Dichloroethene	3.811	96	33213	18.735	ug/l	99
13) Acrolein	3.671	56	5140	125.362	ug/l	97
14) Allyl chloride	4.403	41	49242	19.254	ug/l	94
15) Acrylonitrile	5.080	53	37549	94.267	ug/l	99
16) Acetone	3.885	43	25297	92.069	ug/l	98
17) Carbon Disulfide	4.128	76	65759	17.099	ug/l	97
18) Methyl Acetate	4.409	43	17710	19.090	ug/l	97
19) Methyl tert-butyl Ether	5.141	73	90344	18.058	ug/l	97
20) Methylene Chloride	4.641	84	35005	18.448	ug/l	96
21) trans-1,2-Dichloroethene	5.147	96	36335	18.612	ug/l	94
22) Diisopropyl ether	6.037	45	110624	20.305	ug/l	94
23) Vinyl Acetate	5.982	43	285483	95.036	ug/l	98
24) 1,1-Dichloroethane	5.939	63	68965	19.186	ug/l	97
25) 2-Butanone	6.915	43	42063	93.196	ug/l	98
26) 2,2-Dichloropropane	6.902	77	69098	18.515	ug/l	99
27) cis-1,2-Dichloroethene	6.908	96	46199	18.757	ug/l	99
28) Bromochloromethane	7.268	49	15767	16.256	ug/l	95
29) Tetrahydrofuran	7.280	42	26884	93.245	ug/l	97
30) Chloroform	7.439	83	75973	18.534	ug/l	98
31) Cyclohexane	7.719	56	54719	19.462	ug/l	94
32) 1,1,1-Trichloroethane	7.634	97	73446	18.369	ug/l	99
36) 1,1-Dichloropropene	7.853	75	50690	19.204	ug/l	100
37) Ethyl Acetate	7.006	43	20249	19.277	ug/l	99
38) Carbon Tetrachloride	7.835	117	67965	18.498	ug/l	98
39) Methylcyclohexane	9.121	83	62336	19.245	ug/l	95
40) Benzene	8.097	78	155940	19.249	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	11805	19.624	ug/l	97
42) 1,2-Dichloroethane	8.170	62	40313	18.222	ug/l	99
43) Isopropyl Acetate	8.213	43	39670	18.568	ug/l	99
44) Trichloroethene	8.878	130	43278	19.164	ug/l	96
45) 1,2-Dichloropropane	9.152	63	37076	20.188	ug/l	99
46) Dibromomethane	9.250	93	19629	18.613	ug/l	99
47) Bromodichloromethane	9.439	83	57436	19.016	ug/l	100
48) Methyl methacrylate	9.237	41	17561	18.334	ug/l	98
49) 1,4-Dioxane	9.243	88	3563	318.207	ug/l	89
51) 4-Methyl-2-Pentanone	10.012	43	102398	95.936	ug/l	100
52) Toluene	10.182	92	103261	19.249	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	49815	18.544	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	59160	18.963	ug/l	97
55) 1,1,2-Trichloroethane	10.585	97	29329	19.466	ug/l	97
56) Ethyl methacrylate	10.451	69	34901	18.342	ug/l	98
57) 1,3-Dichloropropane	10.731	76	48103	19.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.725	63	64662	85.663	ug/l	96
59) 2-Hexanone	10.774	43	64650	94.413	ug/l	97
60) Dibromochloromethane	10.920	129	41847	19.151	ug/l	100
61) 1,2-Dibromoethane	11.024	107	25367	18.754	ug/l	97
64) Tetrachloroethene	10.658	164	38077	18.927	ug/l	95
65) Chlorobenzene	11.450	112	116816	19.309	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	44260	19.217	ug/l	99
67) Ethyl Benzene	11.530	91	201638	19.251	ug/l	99
68) m/p-Xylenes	11.639	106	153750	38.125	ug/l	99
69) o-Xylene	11.962	106	73259	19.159	ug/l	96
70) Styrene	11.981	104	122887	19.092	ug/l	99
71) Bromoform	12.145	173	24669	18.842	ug/l #	99
73) Isopropylbenzene	12.267	105	204987	18.805	ug/l	100
74) N-amyl acetate	12.078	43	33502	18.789	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.517	83	31157	18.858	ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	21639m	17.998	ug/l	
77) Bromobenzene	12.542	156	46507	18.505	ug/l	98
78) n-propylbenzene	12.603	91	239000	19.316	ug/l	99
79) 2-Chlorotoluene	12.688	91	135678	19.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.749	105	168012	19.018	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	10444	18.316	ug/l	98
82) 4-Chlorotoluene	12.785	91	140049	19.046	ug/l	99
83) tert-Butylbenzene	13.011	119	160711	19.450	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	162502	18.837	ug/l	99
85) sec-Butylbenzene	13.188	105	224021	19.411	ug/l	100
86) p-Isopropyltoluene	13.304	119	188068	19.102	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	92213	18.883	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	91292	18.992	ug/l	99
89) n-Butylbenzene	13.627	91	164972	19.315	ug/l	99
90) Hexachloroethane	13.889	117	36617	18.522	ug/l	97
91) 1,2-Dichlorobenzene	13.669	146	80428	18.837	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4275	16.003	ug/l	94
93) 1,2,4-Trichlorobenzene	14.931	180	45039	18.329	ug/l	98
94) Hexachlorobutadiene	15.035	225	32702	18.878	ug/l	99
95) Naphthalene	15.157	128	72114	17.831	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	38564	18.732	ug/l	98

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

