

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016756.D
 Acq On : 21 Dec 2023 14:56
 Operator : SY/MD
 Sample : VY1221SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1221SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

Quant Time: Dec 22 00:43:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	143472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	249355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	212312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.441	152	90934	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.161	65	68717	52.466	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.940%	
35) Dibromofluoromethane	7.734	113	70521	49.372	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.740%	
50) Toluene-d8	10.197	98	258897	50.280	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	12.496	95	81857	49.001	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.000%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.912	85	26557	21.660	ug/l	98
3) Chloromethane	2.125	50	40930	21.717	ug/l	97
4) Vinyl Chloride	2.266	62	44906	21.095	ug/l	98
5) Bromomethane	2.662	94	34840	22.978	ug/l	95
6) Chloroethane	2.808	64	30485	21.134	ug/l	100
7) Trichlorofluoromethane	3.144	101	52790	21.287	ug/l	98
8) Diethyl Ether	3.540	74	17909	22.575	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.924	101	33296	21.888	ug/l	99
10) Methyl Iodide	4.113	142	30169	19.032	ug/l	99
11) Tert butyl alcohol	4.979	59	12035	112.071	ug/l	97
12) 1,1-Dichloroethene	3.887	96	29333	21.657	ug/l	96
13) Acrolein	3.747	56	9899	119.472	ug/l	99
14) Allyl chloride	4.503	41	45435	21.901	ug/l	98
15) Acrylonitrile	5.192	53	37679	112.156	ug/l	98
16) Acetone	3.967	43	43837	123.774	ug/l	98
17) Carbon Disulfide	4.217	76	75334	20.441	ug/l	99
18) Methyl Acetate	4.497	43	29174	21.078	ug/l	97
19) Methyl tert-butyl Ether	5.241	73	74643	21.418	ug/l	99
20) Methylene Chloride	4.741	84	45549	23.221	ug/l	99
21) trans-1,2-Dichloroethene	5.241	96	33803	21.883	ug/l	98
22) Diisopropyl ether	6.137	45	105500	22.478	ug/l	97
23) Vinyl Acetate	6.082	43	239255	107.782	ug/l	97
24) 1,1-Dichloroethane	6.039	63	62604	22.205	ug/l	98
25) 2-Butanone	7.009	43	57122	117.143	ug/l	98
26) 2,2-Dichloropropane	7.003	77	52110	21.180	ug/l	99
27) cis-1,2-Dichloroethene	7.009	96	38892	21.876	ug/l	99
28) Bromochloromethane	7.350	49	24431	21.893	ug/l	100
29) Tetrahydrofuran	7.368	42	29726	111.486	ug/l	98
30) Chloroform	7.521	83	64497	22.346	ug/l	98
31) Cyclohexane	7.807	56	52022	20.731	ug/l	98
32) 1,1,1-Trichloroethane	7.722	97	55095	21.746	ug/l	99
36) 1,1-Dichloropropene	7.935	75	48492	21.176	ug/l	99
37) Ethyl Acetate	7.088	43	22590	23.016	ug/l	99
38) Carbon Tetrachloride	7.923	117	47481	20.954	ug/l	97
39) Methylcyclohexane	9.197	83	53421	20.206	ug/l	100
40) Benzene	8.179	78	142447	21.377	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11949	22.930	ug/l	95
42) 1,2-Dichloroethane	8.252	62	38182	21.962	ug/l	99
43) Isopropyl Acetate	8.289	43	41648	21.848	ug/l	99
44) Trichloroethene	8.960	130	36166	21.264	ug/l	91
45) 1,2-Dichloropropane	9.234	63	36295	21.713	ug/l	99
46) Dibromomethane	9.319	93	18623	21.566	ug/l	97
47) Bromodichloromethane	9.514	83	48908	21.489	ug/l	99
48) Methyl methacrylate	9.307	41	22130	20.888	ug/l	98
49) 1,4-Dioxane	9.319	88	3353	400.054	ug/l	98
51) 4-Methyl-2-Pentanone	10.087	43	111670	109.945	ug/l	99
52) Toluene	10.258	92	86083	21.557	ug/l	99
53) t-1,3-Dichloropropene	10.484	75	43874	21.141	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	52669	21.040	ug/l	96
55) 1,1,2-Trichloroethane	10.661	97	27093	21.990	ug/l	96
56) Ethyl methacrylate	10.526	69	22539	20.804	ug/l	97
57) 1,3-Dichloropropane	10.807	76	45377	21.684	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	66010	113.261	ug/l	98
59) 2-Hexanone	10.850	43	84704	111.841	ug/l	100
60) Dibromochloromethane	11.002	129	30484	21.389	ug/l	100
61) 1,2-Dibromoethane	11.106	107	23695	21.445	ug/l	99
64) Tetrachloroethene	10.734	164	27559	20.896	ug/l	99
65) Chlorobenzene	11.532	112	88668	21.256	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	32957	20.999	ug/l	100
67) Ethyl Benzene	11.605	91	159365	20.757	ug/l	100
68) m/p-Xylenes	11.715	106	118741	41.881	ug/l	99
69) o-Xylene	12.044	106	54751	21.050	ug/l	98
70) Styrene	12.057	104	81622	21.207	ug/l	99
71) Bromoform	12.227	173	16247	20.764	ug/l #	98
73) Isopropylbenzene	12.343	105	150913	21.309	ug/l	100
74) N-amyl acetate	12.154	43	32162	21.639	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	30360	21.452	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	18486m	18.390	ug/l	
77) Bromobenzene	12.624	156	32111	20.784	ug/l	99
78) n-propylbenzene	12.685	91	184090	21.454	ug/l	100
79) 2-Chlorotoluene	12.770	91	101434	21.364	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	122169	21.792	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	8455	19.753	ug/l	95
82) 4-Chlorotoluene	12.867	91	105113	21.580	ug/l	98
83) tert-Butylbenzene	13.087	119	102808	21.083	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	119659	21.646	ug/l	99
85) sec-Butylbenzene	13.270	105	155865	21.580	ug/l	100
86) p-Isopropyltoluene	13.386	119	126734	21.070	ug/l	100
87) 1,3-Dichlorobenzene	13.380	146	63522	21.038	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	62682	21.260	ug/l	98
89) n-Butylbenzene	13.709	91	124371	21.630	ug/l	99
90) Hexachloroethane	13.977	117	26367	21.052	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	54584	21.220	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4018	21.902	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	28411	20.816	ug/l	97
94) Hexachlorobutadiene	15.129	225	16150	20.833	ug/l	99
95) Naphthalene	15.251	128	51157	19.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	23672	20.364	ug/l	98

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

