

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016806.D
 Acq On : 22 Dec 2023 14:24
 Operator : SY/MD
 Sample : VY1222SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1222SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/26/2023
 Supervised By :Semsettin Yesilyurt 12/26/2023

Quant Time: Dec 22 22:58:51 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	7.813	168	144457	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	248153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	213370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	91873	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	71319	54.081	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.160%	
35) Dibromofluoromethane	7.740	113	73393	51.631	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.260%	
50) Toluene-d8	10.197	98	269357	52.565	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.120%	
62) 4-Bromofluorobenzene	12.495	95	86323	51.924	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.840%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	24172	19.580	ug/l	93
3) Chloromethane	2.125	50	34997	18.443	ug/l	99
4) Vinyl Chloride	2.266	62	40793	19.032	ug/l	100
5) Bromomethane	2.668	94	29590	19.383	ug/l	95
6) Chloroethane	2.814	64	27598	19.002	ug/l	99
7) Trichlorofluoromethane	3.150	101	48951	19.605	ug/l	98
8) Diethyl Ether	3.546	74	16201	20.283	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.924	101	31110	20.311	ug/l	100
10) Methyl Iodide	4.119	142	26518	16.615	ug/l	99
11) Tert butyl alcohol	4.979	59	15410	142.520	ug/l #	93
12) 1,1-Dichloroethene	3.899	96	26252	19.250	ug/l	98
13) Acrolein	3.753	56	11863	142.199	ug/l	97
14) Allyl chloride	4.509	41	42402	20.300	ug/l	97
15) Acrylonitrile	5.198	53	37286	110.229	ug/l	99
16) Acetone	3.967	43	45083	126.424	ug/l	98
17) Carbon Disulfide	4.223	76	65102	17.545	ug/l	99
18) Methyl Acetate	4.503	43	30237	21.697	ug/l	100
19) Methyl tert-butyl Ether	5.253	73	71955	20.506	ug/l	100
20) Methylene Chloride	4.747	84	38318	18.802	ug/l	99
21) trans-1,2-Dichloroethene	5.253	96	30753	19.772	ug/l	96
22) Diisopropyl ether	6.149	45	101140	21.402	ug/l	97
23) Vinyl Acetate	6.088	43	237730	106.365	ug/l	99
24) 1,1-Dichloroethane	6.045	63	59432	20.936	ug/l	99
25) 2-Butanone	7.009	43	58389	118.925	ug/l	97
26) 2,2-Dichloropropane	7.003	77	50508	20.389	ug/l	99
27) cis-1,2-Dichloroethene	7.009	96	36457	20.366	ug/l	97
28) Bromochloromethane	7.356	49	24995	22.246	ug/l	97
29) Tetrahydrofuran	7.374	42	30478	113.527	ug/l	97
30) Chloroform	7.533	83	60494	20.816	ug/l	98
31) Cyclohexane	7.813	56	47978	18.989	ug/l	96
32) 1,1,1-Trichloroethane	7.728	97	51266	20.097	ug/l	99
36) 1,1-Dichloropropene	7.941	75	44637	19.587	ug/l	99
37) Ethyl Acetate	7.100	43	21589	22.102	ug/l	98
38) Carbon Tetrachloride	7.929	117	43984	19.505	ug/l	98
39) Methylcyclohexane	9.209	83	48307	18.360	ug/l	97
40) Benzene	8.185	78	133242	20.092	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11694m	22.549	ug/l	
42) 1,2-Dichloroethane	8.258	62	36530	21.114	ug/l	100
43) Isopropyl Acetate	8.295	43	38942	20.527	ug/l	100
44) Trichloroethene	8.960	130	33654	19.883	ug/l	96
45) 1,2-Dichloropropane	9.234	63	34636	20.821	ug/l	100
46) Dibromomethane	9.325	93	17554	20.427	ug/l	98
47) Bromodichloromethane	9.514	83	46983	20.743	ug/l	95
48) Methyl methacrylate	9.313	41	21385	20.283	ug/l	98
49) 1,4-Dioxane	9.319	88	3629	435.082	ug/l	96
51) 4-Methyl-2-Pentanone	10.087	43	107256	106.110	ug/l	98
52) Toluene	10.264	92	80485	20.253	ug/l	99
53) t-1,3-Dichloropropene	10.484	75	42007	20.339	ug/l	98
54) cis-1,3-Dichloropropene	9.947	75	50434	20.245	ug/l	96
55) 1,1,2-Trichloroethane	10.660	97	25427	20.738	ug/l	96
56) Ethyl methacrylate	10.526	69	21443	19.888	ug/l	96
57) 1,3-Dichloropropane	10.807	76	43065	20.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.801	63	62491	107.742	ug/l	98
59) 2-Hexanone	10.849	43	82127	108.964	ug/l	99
60) Dibromochloromethane	11.002	129	29297	20.655	ug/l	98
61) 1,2-Dibromoethane	11.105	107	22639	20.589	ug/l	99
64) Tetrachloroethene	10.740	164	25481	19.224	ug/l	95
65) Chlorobenzene	11.532	112	84157	20.075	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.605	131	30500	19.337	ug/l	96
67) Ethyl Benzene	11.611	91	149189	19.335	ug/l	100
68) m/p-Xylenes	11.721	106	111138	39.005	ug/l	100
69) o-Xylene	12.044	106	51683	19.772	ug/l	99
70) Styrene	12.063	104	75593	19.543	ug/l	99
71) Bromoform	12.227	173	15891	20.208	ug/l #	99
73) Isopropylbenzene	12.343	105	139977	19.563	ug/l	100
74) N-amyl acetate	12.160	43	29369	19.558	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	29947	20.944	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	19396m	19.098	ug/l	
77) Bromobenzene	12.630	156	31028	19.877	ug/l	100
78) n-propylbenzene	12.691	91	171737	19.810	ug/l	100
79) 2-Chlorotoluene	12.770	91	94037	19.603	ug/l	100
80) 1,3,5-Trimethylbenzene	12.831	105	113450	20.030	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.392	75	8101	18.732	ug/l	99
82) 4-Chlorotoluene	12.873	91	98146	19.943	ug/l	100
83) tert-Butylbenzene	13.093	119	97412	19.772	ug/l	99
84) 1,2,4-Trimethylbenzene	13.136	105	110454	19.777	ug/l	100
85) sec-Butylbenzene	13.270	105	144613	19.818	ug/l	99
86) p-Isopropyltoluene	13.386	119	117732	19.373	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	59582	19.532	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	57967	19.460	ug/l	96
89) n-Butylbenzene	13.715	91	113703	19.573	ug/l	99
90) Hexachloroethane	13.977	117	24947	19.714	ug/l	96
91) 1,2-Dichlorobenzene	13.757	146	52181	20.079	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3737	20.162	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	26156	18.968	ug/l	99
94) Hexachlorobutadiene	15.123	225	15108	19.290	ug/l	98
95) Naphthalene	15.251	128	47997	18.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	22495	19.154	ug/l	99

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

