

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017429.D
 Acq On : 21 Feb 2024 11:42
 Operator : SY/MD
 Sample : VY0221SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/22/2024
 Supervised By :Semsettin Yesilyurt 02/22/2024

Quant Time: Feb 22 03:23:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	147171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	234231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	197619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	87930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	58626	46.630	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.260%		
35) Dibromofluoromethane	7.734	113	65388	47.690	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.380%		
50) Toluene-d8	10.191	98	257244	48.376	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.760%		
62) 4-Bromofluorobenzene	12.495	95	74795	42.444	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	22277	18.983	ug/l	97
3) Chloromethane	2.125	50	44175	18.444	ug/l	96
4) Vinyl Chloride	2.265	62	59591	19.110	ug/l	99
5) Bromomethane	2.662	94	50244	20.060	ug/l	97
6) Chloroethane	2.808	64	39175	19.721	ug/l	99
7) Trichlorofluoromethane	3.143	101	50137	18.748	ug/l	97
8) Diethyl Ether	3.546	74	14097	18.650	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.918	101	30609	19.802	ug/l	99
10) Methyl Iodide	4.119	142	33836	20.569	ug/l	99
11) Tert butyl alcohol	4.978	59	7997	81.804	ug/l #	86
12) 1,1-Dichloroethene	3.893	96	28189	19.402	ug/l	97
13) Acrolein	3.747	56	13701	104.733	ug/l	99
14) Allyl chloride	4.503	41	33742	19.160	ug/l	98
15) Acrylonitrile	5.186	53	26585	88.466	ug/l	99
16) Acetone	3.966	43	24496	89.964	ug/l	89
17) Carbon Disulfide	4.216	76	89417	19.372	ug/l	100
18) Methyl Acetate	4.497	43	10206	16.529	ug/l	100
19) Methyl tert-butyl Ether	5.241	73	59218	18.044	ug/l	98
20) Methylene Chloride	4.741	84	34554	16.606	ug/l	96
21) trans-1,2-Dichloroethene	5.241	96	32868	19.559	ug/l	97
22) Diisopropyl ether	6.143	45	78419	19.361	ug/l	98
23) Vinyl Acetate	6.082	43	221201	91.894	ug/l	100
24) 1,1-Dichloroethane	6.045	63	54186	19.733	ug/l	99
25) 2-Butanone	7.009	43	33495	87.636	ug/l	94
26) 2,2-Dichloropropane	7.002	77	46426	19.648	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	36386	19.495	ug/l	98
28) Bromochloromethane	7.350	49	21914	21.269	ug/l	97
29) Tetrahydrofuran	7.368	42	19464	86.629	ug/l	99
30) Chloroform	7.527	83	57785	19.934	ug/l	96
31) Cyclohexane	7.807	56	47166	18.950	ug/l	92
32) 1,1,1-Trichloroethane	7.722	97	50183	19.600	ug/l	97
36) 1,1-Dichloropropene	7.935	75	44944	19.627	ug/l	99
37) Ethyl Acetate	7.094	43	15400	18.469	ug/l	98
38) Carbon Tetrachloride	7.917	117	44510	19.523	ug/l	96
39) Methylcyclohexane	9.197	83	53699	19.157	ug/l	96
40) Benzene	8.179	78	131694	19.684	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	7781m	19.108	ug/l	
42) 1,2-Dichloroethane	8.252	62	31452	19.367	ug/l	100
43) Isopropyl Acetate	8.289	43	27128	18.004	ug/l #	86
44) Trichloroethene	8.953	130	34872	19.229	ug/l	94
45) 1,2-Dichloropropane	9.228	63	30109	19.468	ug/l	97
46) Dibromomethane	9.319	93	16215	18.446	ug/l	98
47) Bromodichloromethane	9.508	83	41906	19.389	ug/l	99
48) Methyl methacrylate	9.307	41	11723	16.582	ug/l	92
49) 1,4-Dioxane	9.319	88	3070	333.916	ug/l #	97
51) 4-Methyl-2-Pentanone	10.081	43	70103	86.343	ug/l	99
52) Toluene	10.258	92	81990	19.630	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	36640	18.309	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	46666	19.006	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	22406	18.525	ug/l	96
56) Ethyl methacrylate	10.520	69	23654	18.057	ug/l	94
57) 1,3-Dichloropropane	10.801	76	36737	18.358	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	63318	87.617	ug/l	99
59) 2-Hexanone	10.843	43	49740	88.943	ug/l	97
60) Dibromochloromethane	10.996	129	26416	18.373	ug/l	100
61) 1,2-Dibromoethane	11.099	107	20323	17.960	ug/l	98
64) Tetrachloroethene	10.733	164	31036	19.624	ug/l	98
65) Chlorobenzene	11.526	112	83099	19.519	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	30181	19.037	ug/l	98
67) Ethyl Benzene	11.605	91	146551	19.247	ug/l	97
68) m/p-Xylenes	11.715	106	117121	39.129	ug/l	100
69) o-Xylene	12.038	106	52572	19.145	ug/l	99
70) Styrene	12.056	104	85489	18.955	ug/l	99
71) Bromoform	12.221	173	14573	17.667	ug/l #	98
73) Isopropylbenzene	12.343	105	141576	20.844	ug/l	100
74) N-amyl acetate	12.154	43	22056	18.650	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	23334	19.222	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	15617m	18.318	ug/l	
77) Bromobenzene	12.623	156	31266	19.628	ug/l	98
78) n-propylbenzene	12.684	91	170131	20.709	ug/l	100
79) 2-Chlorotoluene	12.770	91	92801	20.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	111061	20.443	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	6511	17.806	ug/l	93
82) 4-Chlorotoluene	12.867	91	94299	20.201	ug/l	98
83) tert-Butylbenzene	13.087	119	98522	20.768	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	110463	20.524	ug/l	99
85) sec-Butylbenzene	13.264	105	150670	20.678	ug/l	99
86) p-Isopropyltoluene	13.379	119	121673	20.274	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	62860	19.540	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	61569	19.822	ug/l	98
89) n-Butylbenzene	13.709	91	112196	20.556	ug/l	98
90) Hexachloroethane	13.971	117	23942	20.360	ug/l	97
91) 1,2-Dichlorobenzene	13.751	146	52985	19.568	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2714	17.688	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	26574	18.769	ug/l	98
94) Hexachlorobutadiene	15.123	225	17212	19.988	ug/l	99
95) Naphthalene	15.251	128	39401	17.462	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	21317	17.909	ug/l	99

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

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