

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016833.D
 Acq On : 23 Dec 2023 02:03
 Operator : SY/MD
 Sample : VY1222SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1222SBS03

Quant Time: Dec 23 03:54:30 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	135953	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	251819	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	219803	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	92661	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	74824	60.288	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.580%			
35) Dibromofluoromethane	7.752	113	76919	53.324	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.203	98	276123	53.101	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.200%			
62) 4-Bromofluorobenzene	12.501	95	89367	52.973	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	23043	19.833	ug/l	96
3) Chloromethane	2.131	50	35615	19.942	ug/l	99
4) Vinyl Chloride	2.272	62	40749	20.201	ug/l	96
5) Bromomethane	2.674	94	30690	21.361	ug/l	100
6) Chloroethane	2.820	64	28484	20.839	ug/l	97
7) Trichlorofluoromethane	3.156	101	46237	19.676	ug/l	97
8) Diethyl Ether	3.558	74	17288	22.998	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.936	101	29135	20.212	ug/l	98
10) Methyl Iodide	4.131	142	27705	18.444	ug/l	100
11) Tert butyl alcohol	4.991	59	15832	155.582	ug/l #	86
12) 1,1-Dichloroethene	3.905	96	26685	20.791	ug/l	98
13) Acrolein	3.759	56	12107	154.202	ug/l	98
14) Allyl chloride	4.521	41	43608	22.183	ug/l	99
15) Acrylonitrile	5.204	53	39824	125.097	ug/l	98
16) Acetone	3.979	43	41264	122.952	ug/l	100
17) Carbon Disulfide	4.235	76	65017	18.618	ug/l	98
18) Methyl Acetate	4.521	43	31745	24.204	ug/l	99
19) Methyl tert-butyl Ether	5.265	73	77009	23.319	ug/l	99
20) Methylene Chloride	4.759	84	38657	20.411	ug/l	97
21) trans-1,2-Dichloroethene	5.259	96	31547	21.552	ug/l	95
22) Diisopropyl ether	6.161	45	107538	24.179	ug/l	96
23) Vinyl Acetate	6.100	43	250711	119.189	ug/l	99
24) 1,1-Dichloroethane	6.057	63	62359	23.341	ug/l	98
25) 2-Butanone	7.027	43	56813	122.953	ug/l	98
26) 2,2-Dichloropropane	7.021	77	48673	20.877	ug/l	99
27) cis-1,2-Dichloroethene	7.021	96	37782	22.427	ug/l	97
28) Bromochloromethane	7.374	49	22829	21.589	ug/l	99
29) Tetrahydrofuran	7.386	42	31794	125.837	ug/l	97
30) Chloroform	7.545	83	64842	23.708	ug/l	100
31) Cyclohexane	7.819	56	44867	18.868	ug/l	92
32) 1,1,1-Trichloroethane	7.734	97	50938	21.218	ug/l	98
36) 1,1-Dichloropropene	7.953	75	42721	18.474	ug/l	98
37) Ethyl Acetate	7.112	43	23332	23.539	ug/l	99
38) Carbon Tetrachloride	7.935	117	42745	18.679	ug/l	95
39) Methylcyclohexane	9.215	83	45416	17.010	ug/l	100
40) Benzene	8.191	78	138175	20.533	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	9936m	18.880	ug/l	
42) 1,2-Dichloroethane	8.264	62	37980	21.633	ug/l	100
43) Isopropyl Acetate	8.307	43	41481	21.547	ug/l	99
44) Trichloroethene	8.972	130	33849	19.707	ug/l	100
45) 1,2-Dichloropropane	9.246	63	36654	21.713	ug/l	93
46) Dibromomethane	9.331	93	18644	21.379	ug/l	98
47) Bromodichloromethane	9.526	83	49002	21.319	ug/l	98
48) Methyl methacrylate	9.319	41	21992	20.555	ug/l	95
49) 1,4-Dioxane	9.325	88	3841	453.794	ug/l	96
51) 4-Methyl-2-Pentanone	10.093	43	113796	110.941	ug/l	97
52) Toluene	10.270	92	83859	20.794	ug/l	99
53) t-1,3-Dichloropropene	10.490	75	43859	20.927	ug/l	94
54) cis-1,3-Dichloropropene	9.953	75	53019	20.972	ug/l	96
55) 1,1,2-Trichloroethane	10.666	97	27624	22.202	ug/l	97
56) Ethyl methacrylate	10.532	69	23212	21.216	ug/l	97
57) 1,3-Dichloropropane	10.813	76	46261	21.890	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	57757	98.131	ug/l	99
59) 2-Hexanone	10.855	43	78743	102.953	ug/l	100
60) Dibromochloromethane	11.008	129	30822	21.414	ug/l	99
61) 1,2-Dibromoethane	11.111	107	23311	20.891	ug/l	98
64) Tetrachloroethene	10.746	164	27110	19.855	ug/l	99
65) Chlorobenzene	11.538	112	88306	20.448	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.611	131	32373	19.924	ug/l	97
67) Ethyl Benzene	11.617	91	157346	19.795	ug/l	97
68) m/p-Xylenes	11.727	106	115388	39.312	ug/l	99
69) o-Xylene	12.050	106	53930	20.028	ug/l	99
70) Styrene	12.069	104	78780	19.771	ug/l	97
71) Bromoform	12.227	173	16792	20.729	ug/l #	99
73) Isopropylbenzene	12.349	105	145784	20.201	ug/l	98
74) N-amyl acetate	12.166	43	31779	20.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.605	83	31685	21.971	ug/l	97
76) 1,2,3-Trichloropropane	12.654	75	23600m	23.040	ug/l	
77) Bromobenzene	12.629	156	31816	20.209	ug/l	95
78) n-propylbenzene	12.690	91	176077	20.138	ug/l	99
79) 2-Chlorotoluene	12.776	91	99825	20.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	117361	20.545	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.404	75	8314	19.061	ug/l	97
82) 4-Chlorotoluene	12.879	91	102408	20.632	ug/l	99
83) tert-Butylbenzene	13.093	119	97761	19.674	ug/l	96
84) 1,2,4-Trimethylbenzene	13.142	105	115625	20.527	ug/l	98
85) sec-Butylbenzene	13.276	105	147108	19.988	ug/l	100
86) p-Isopropyltoluene	13.391	119	118527	19.338	ug/l	99
87) 1,3-Dichlorobenzene	13.385	146	61990	20.148	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	62119	20.677	ug/l	98
89) n-Butylbenzene	13.715	91	115181	19.658	ug/l	98
90) Hexachloroethane	13.983	117	25559	20.026	ug/l	98
91) 1,2-Dichlorobenzene	13.757	146	55140	21.037	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.379	75	3818	20.424	ug/l	97
93) 1,2,4-Trichlorobenzene	15.025	180	25687	18.469	ug/l	100
94) Hexachlorobutadiene	15.129	225	15563	19.702	ug/l	97
95) Naphthalene	15.257	128	48416	18.603	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	22294	18.821	ug/l	98

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

