

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016739.D
 Acq On : 21 Dec 2023 04:32
 Operator : SY/MD
 Sample : VY1220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1220SBS01

Quant Time: Dec 21 04:42:57 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 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.820	168	135765	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	247084	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	212172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	90960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	79310	63.991	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.980%			
35) Dibromofluoromethane	7.752	113	81481	57.569	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.140%			
50) Toluene-d8	10.203	98	290021	56.842	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.680%			
62) 4-Bromofluorobenzene	12.502	95	93530	56.503	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	24377	21.010	ug/l	99
3) Chloromethane	2.132	50	38682	21.690	ug/l	100
4) Vinyl Chloride	2.272	62	42867	21.280	ug/l	97
5) Bromomethane	2.668	94	32861	22.904	ug/l	95
6) Chloroethane	2.814	64	30709	22.498	ug/l	98
7) Trichlorofluoromethane	3.156	101	48577	20.700	ug/l	95
8) Diethyl Ether	3.552	74	17685	23.558	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.930	101	28953	20.113	ug/l	98
10) Methyl Iodide	4.125	142	34018	22.678	ug/l	99
11) Tert butyl alcohol	4.997	59	14259	140.318	ug/l	96
12) 1,1-Dichloroethene	3.906	96	27462	21.426	ug/l	95
13) Acrolein	3.759	56	12253	156.277	ug/l	98
14) Allyl chloride	4.515	41	45048	22.947	ug/l	99
15) Acrylonitrile	5.198	53	40621	127.777	ug/l	100
16) Acetone	3.979	43	41398	123.523	ug/l	98
17) Carbon Disulfide	4.229	76	72705	20.848	ug/l	98
18) Methyl Acetate	4.515	43	38806	29.629	ug/l	98
19) Methyl tert-butyl Ether	5.259	73	78788	23.891	ug/l	96
20) Methylene Chloride	4.753	84	48769	26.793	ug/l	98
21) trans-1,2-Dichloroethene	5.259	96	33378	22.834	ug/l	100
22) Diisopropyl ether	6.155	45	105494	23.753	ug/l	96
23) Vinyl Acetate	6.100	43	238194	113.396	ug/l	99
24) 1,1-Dichloroethane	6.052	63	61866	23.188	ug/l	98
25) 2-Butanone	7.021	43	58292	126.328	ug/l	99
26) 2,2-Dichloropropane	7.015	77	48104	20.661	ug/l	98
27) cis-1,2-Dichloroethene	7.021	96	38448	22.854	ug/l	98
28) Bromochloromethane	7.362	49	23944	22.675	ug/l	98
29) Tetrahydrofuran	7.381	42	33094	131.164	ug/l	99
30) Chloroform	7.539	83	63470	23.239	ug/l	94
31) Cyclohexane	7.813	56	46624	19.634	ug/l	95
32) 1,1,1-Trichloroethane	7.734	97	51633	21.537	ug/l	99
36) 1,1-Dichloropropene	7.948	75	45068	19.862	ug/l	100
37) Ethyl Acetate	7.112	43	24226	24.909	ug/l	97
38) Carbon Tetrachloride	7.935	117	44632	19.878	ug/l	96
39) Methylcyclohexane	9.210	83	47922	18.292	ug/l	96
40) Benzene	8.191	78	140793	21.323	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	11512	22.294	ug/l #	83
42) 1,2-Dichloroethane	8.265	62	39802	23.105	ug/l	100
43) Isopropyl Acetate	8.301	43	43853	23.216	ug/l	100
44) Trichloroethene	8.966	130	34738	20.612	ug/l	97
45) 1,2-Dichloropropane	9.240	63	35577	21.479	ug/l	99
46) Dibromomethane	9.331	93	19115	22.339	ug/l	98
47) Bromodichloromethane	9.520	83	47955	21.263	ug/l	98
48) Methyl methacrylate	9.319	41	25215	24.019	ug/l	97
49) 1,4-Dioxane	9.325	88	3404	409.872	ug/l	88
51) 4-Methyl-2-Pentanone	10.094	43	119224	118.461	ug/l	100
52) Toluene	10.264	92	84797	21.430	ug/l	100
53) t-1,3-Dichloropropene	10.484	75	44578	21.677	ug/l	97
54) cis-1,3-Dichloropropene	9.953	75	53407	21.531	ug/l	97
55) 1,1,2-Trichloroethane	10.667	97	27663	22.659	ug/l	97
56) Ethyl methacrylate	10.532	69	24239	22.579	ug/l	97
57) 1,3-Dichloropropane	10.807	76	46054	22.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	68553	118.705	ug/l	99
59) 2-Hexanone	10.849	43	86695	115.522	ug/l	99
60) Dibromochloromethane	11.002	129	30996	21.948	ug/l	100
61) 1,2-Dibromoethane	11.106	107	25182	23.001	ug/l	100
64) Tetrachloroethene	10.746	164	29259	22.200	ug/l	96
65) Chlorobenzene	11.538	112	88513	21.233	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.612	131	32471	20.703	ug/l	99
67) Ethyl Benzene	11.612	91	157128	20.479	ug/l	99
68) m/p-Xylenes	11.721	106	115643	40.816	ug/l	99
69) o-Xylene	12.050	106	54321	20.898	ug/l	98
70) Styrene	12.063	104	79347	20.629	ug/l	98
71) Bromoform	12.227	173	17463	22.333	ug/l #	98
73) Isopropylbenzene	12.349	105	145140	20.488	ug/l	99
74) N-amyl acetate	12.160	43	32149	21.624	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.599	83	32095	22.672	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	22117m	21.996	ug/l	
77) Bromobenzene	12.630	156	33000	21.353	ug/l	99
78) n-propylbenzene	12.691	91	176295	20.540	ug/l	99
79) 2-Chlorotoluene	12.776	91	99637	20.979	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	115075	20.521	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.392	75	9204	21.496	ug/l	99
82) 4-Chlorotoluene	12.874	91	102760	21.090	ug/l	99
83) tert-Butylbenzene	13.093	119	101209	20.749	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	115541	20.895	ug/l	99
85) sec-Butylbenzene	13.270	105	146490	20.276	ug/l	99
86) p-Isopropyltoluene	13.386	119	120614	20.046	ug/l	100
87) 1,3-Dichlorobenzene	13.380	146	63175	20.917	ug/l	97
88) 1,4-Dichlorobenzene	13.465	146	61705	20.923	ug/l	98
89) n-Butylbenzene	13.709	91	114755	19.952	ug/l	99
90) Hexachloroethane	13.977	117	25572	20.411	ug/l	100
91) 1,2-Dichlorobenzene	13.757	146	55135	21.428	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	4218	22.986	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	27787	20.353	ug/l	98
94) Hexachlorobutadiene	15.129	225	15269	19.691	ug/l	99
95) Naphthalene	15.251	128	55410	21.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	25019	21.517	ug/l	99

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

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