

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016701.D
 Acq On : 19 Dec 2023 18:30
 Operator : SY/MD
 Sample : VY1219SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1219SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

Quant Time: Dec 20 06:36:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	175981	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	259153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	217978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	103921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	75624	51.954	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.900%			
35) Dibromofluoromethane	7.734	113	79361	51.995	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.000%			
50) Toluene-d8	10.191	98	299052	54.101	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.200%			
62) 4-Bromofluorobenzene	12.489	95	81793	52.041	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	27965	20.199	ug/l	92
3) Chloromethane	2.125	50	48262	17.743	ug/l	98
4) Vinyl Chloride	2.259	62	65702	19.331	ug/l	99
5) Bromomethane	2.662	94	59611	20.214	ug/l	99
6) Chloroethane	2.808	64	50850	19.988	ug/l	99
7) Trichlorofluoromethane	3.137	101	59365	19.928	ug/l	100
8) Diethyl Ether	3.540	74	15512	19.452	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.912	101	32962	20.394	ug/l	99
10) Methyl Iodide	4.107	142	35578	19.384	ug/l	97
11) Tert butyl alcohol	4.960	59	10615	99.856	ug/l #	92
12) 1,1-Dichloroethene	3.887	96	28554	19.479	ug/l	98
13) Acrolein	3.747	56	10274	129.679	ug/l	97
14) Allyl chloride	4.497	41	35067	19.158	ug/l #	85
15) Acrylonitrile	5.180	53	29867	93.552	ug/l	97
16) Acetone	3.966	43	34005	91.147	ug/l	89
17) Carbon Disulfide	4.216	76	73135	18.642	ug/l	98
18) Methyl Acetate	4.497	43	22144	17.557	ug/l	100
19) Methyl tert-butyl Ether	5.241	73	68071	19.223	ug/l	96
20) Methylene Chloride	4.741	84	38096	21.018	ug/l	94
21) trans-1,2-Dichloroethene	5.241	96	32474	19.588	ug/l	99
22) Diisopropyl ether	6.143	45	83969	20.043	ug/l	99
23) Vinyl Acetate	6.076	43	201123	98.177	ug/l	98
24) 1,1-Dichloroethane	6.039	63	56660	19.639	ug/l	98
25) 2-Butanone	7.003	43	41684	92.823	ug/l	98
26) 2,2-Dichloropropane	6.996	77	52326	19.971	ug/l	96
27) cis-1,2-Dichloroethene	7.009	96	36534	19.497	ug/l	94
28) Bromochloromethane	7.350	49	18672	17.823	ug/l	92
29) Tetrahydrofuran	7.362	42	22260	94.457	ug/l	98
30) Chloroform	7.521	83	62183	20.089	ug/l	92
31) Cyclohexane	7.801	56	45431	19.069	ug/l	96
32) 1,1,1-Trichloroethane	7.722	97	54209	19.723	ug/l	96
36) 1,1-Dichloropropene	7.935	75	45316	19.628	ug/l	99
37) Ethyl Acetate	7.088	43	16743	18.934	ug/l #	95
38) Carbon Tetrachloride	7.917	117	47821	19.196	ug/l	99
39) Methylcyclohexane	9.197	83	50640	19.051	ug/l	99
40) Benzene	8.173	78	130817	19.721	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	8560	18.227	ug/l #	73
42) 1,2-Dichloroethane	8.252	62	37205	19.821	ug/l	95
43) Isopropyl Acetate	8.289	43	32686	19.245	ug/l #	81
44) Trichloroethene	8.953	130	36185	19.822	ug/l	96
45) 1,2-Dichloropropane	9.228	63	31012	19.560	ug/l	99
46) Dibromomethane	9.319	93	17329	19.355	ug/l	98
47) Bromodichloromethane	9.508	83	45967	19.663	ug/l	96
48) Methyl methacrylate	9.301	41	16449	17.850	ug/l #	87
49) 1,4-Dioxane	9.319	88	3124	378.968	ug/l #	91
51) 4-Methyl-2-Pentanone	10.081	43	80886	92.789	ug/l	96
52) Toluene	10.258	92	80485	19.830	ug/l	97
53) t-1,3-Dichloropropene	10.478	75	41459	19.807	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	48927	19.727	ug/l	93
55) 1,1,2-Trichloroethane	10.654	97	23796	19.240	ug/l	92
56) Ethyl methacrylate	10.520	69	18775	18.655	ug/l #	89
57) 1,3-Dichloropropane	10.801	76	40389	19.791	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	52506	89.382	ug/l	96
59) 2-Hexanone	10.843	43	59737	94.058	ug/l	95
60) Dibromochloromethane	10.996	129	30201	20.112	ug/l	99
61) 1,2-Dibromoethane	11.099	107	21617	19.407	ug/l	99
64) Tetrachloroethene	10.727	164	30354	20.188	ug/l	93
65) Chlorobenzene	11.526	112	87161	20.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	32255	19.287	ug/l	97
67) Ethyl Benzene	11.599	91	150664	19.537	ug/l	99
68) m/p-Xylenes	11.709	106	114866	39.294	ug/l	99
69) o-Xylene	12.038	106	52886	19.804	ug/l	98
70) Styrene	12.050	104	75494	19.579	ug/l	97
71) Bromoform	12.215	173	17010	19.638	ug/l #	99
73) Isopropylbenzene	12.337	105	142072	19.772	ug/l	99
74) N-amyl acetate	12.154	43	24456	18.810	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.593	83	25654	19.188	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	18971m	21.001	ug/l	
77) Bromobenzene	12.617	156	35275	20.361	ug/l	95
78) n-propylbenzene	12.678	91	170507	20.016	ug/l	99
79) 2-Chlorotoluene	12.764	91	92103	20.185	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	114432	20.323	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	7632	19.384	ug/l	87
82) 4-Chlorotoluene	12.861	91	92973	19.705	ug/l	98
83) tert-Butylbenzene	13.081	119	98469	19.435	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	112438	19.922	ug/l	99
85) sec-Butylbenzene	13.264	105	146399	20.037	ug/l	99
86) p-Isopropyltoluene	13.379	119	126474	19.799	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	67059	19.560	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	64539	19.650	ug/l	100
89) n-Butylbenzene	13.709	91	114873	19.672	ug/l	97
90) Hexachloroethane	13.971	117	25320	19.889	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	56535	20.072	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3083	17.587	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	32018	19.017	ug/l	98
94) Hexachlorobutadiene	15.123	225	20637	19.394	ug/l	97
95) Naphthalene	15.245	128	47332	17.562	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	27292	19.165	ug/l	96

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

