

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010427.D
 Acq On : 09 Sep 2022 18:54
 Operator : KP/MD
 Sample : N3980-02 5.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Sep 12 04:37:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 12 04:36:01 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	236136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	333680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	166256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	126208	53.067	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.140%			
35) Dibromofluoromethane	7.710	113	124668	47.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.000%			
50) Toluene-d8	10.179	98	463442	53.911	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.820%			
62) 4-Bromofluorobenzene	12.477	95	159992	40.557	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	9897	5.470	ug/l	95
3) Chloromethane	2.107	50	14864	5.603	ug/l	94
4) Vinyl Chloride	2.241	62	17825	5.446	ug/l	95
5) Bromomethane	2.644	94	13901	6.062	ug/l	98
6) Chloroethane	2.784	64	12206	5.575	ug/l	95
7) Trichlorofluoromethane	3.113	101	22998	5.547	ug/l	94
8) Diethyl Ether	3.515	74	7032	5.237	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	13760	5.669	ug/l	96
10) Methyl Iodide	4.082	142	14831	4.937	ug/l	91
11) Tert butyl alcohol	4.930	59	12230	38.071	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	12184	5.350	ug/l #	77
13) Acrolein	3.723	56	5624	24.787	ug/l	99
14) Allyl chloride	4.467	41	16876	5.146	ug/l #	94
15) Acrylonitrile	5.155	53	17142	26.372	ug/l	98
16) Acetone	3.942	43	15293	28.020	ug/l #	85
17) Carbon Disulfide	4.186	76	30119	4.891	ug/l	99
18) Methyl Acetate	4.473	43	11230	6.688	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	33256	5.288	ug/l	97
20) Methylene Chloride	4.704	84	31000	9.307	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	13615	5.266	ug/l	89
22) Diisopropyl ether	6.106	45	38020	5.193	ug/l #	93
23) Vinyl Acetate	6.052	43	102836	22.922	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	23966	5.407	ug/l	98
25) 2-Butanone	6.984	43	24076	27.757	ug/l	93
26) 2,2-Dichloropropane	6.972	77	23910	5.653	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	16035	5.335	ug/l	93
28) Bromochloromethane	7.326	49	8740	6.151	ug/l #	77
29) Tetrahydrofuran	7.344	42	14391	26.584	ug/l #	85
30) Chloroform	7.503	83	25566	5.438	ug/l	100
31) Cyclohexane	7.777	56	23953	5.962	ug/l #	70
32) 1,1,1-Trichloroethane	7.692	97	23161	5.441	ug/l	97
36) 1,1-Dichloropropene	7.911	75	19417	5.347	ug/l	97
37) Ethyl Acetate	7.064	43	9806	5.137	ug/l #	90
38) Carbon Tetrachloride	7.893	117	21383	5.293	ug/l	93
39) Methylcyclohexane	9.179	83	23196	5.123	ug/l #	87
40) Benzene	8.155	78	55641	5.323	ug/l	97

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41) Methacrylonitrile	7.301	41	4787	4.387	ug/l #	62
42) 1,2-Dichloroethane	8.228	62	16681	5.366	ug/l	93
43) Isopropyl Acetate	8.271	43	17304	4.953	ug/l #	90
44) Trichloroethene	8.935	130	16386	5.325	ug/l	95
45) 1,2-Dichloropropane	9.210	63	13250	5.197	ug/l	95
46) Dibromomethane	9.301	93	8133	5.290	ug/l	96
47) Bromodichloromethane	9.490	83	18973	5.196	ug/l	99
48) Methyl methacrylate	9.289	41	7403	4.718	ug/l #	79
49) 1,4-Dioxane	9.295	88	2063	101.369	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	48135	25.120	ug/l	89
52) Toluene	10.240	92	36311	5.308	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	17892	4.761	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	21244	5.012	ug/l #	86
55) 1,1,2-Trichloroethane	10.636	97	12065	5.517	ug/l	92
56) Ethyl methacrylate	10.508	69	14053	4.893	ug/l #	79
57) 1,3-Dichloropropane	10.789	76	19311	5.311	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.777	63	35864	36.707	ug/l	93
59) 2-Hexanone	10.831	43	31844	24.379	ug/l	90
60) Dibromochloromethane	10.978	129	13845	5.181	ug/l	99
61) 1,2-Dibromoethane	11.081	107	11032	5.197	ug/l	98
64) Tetrachloroethene	10.715	164	16462	5.473	ug/l	97
65) Chlorobenzene	11.514	112	40237	5.392	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	14665	5.306	ug/l	99
67) Ethyl Benzene	11.587	91	68322	5.173	ug/l	97
68) m/p-Xylenes	11.697	106	52463	10.118	ug/l	96
69) o-Xylene	12.026	106	25524	5.155	ug/l	91
70) Styrene	12.038	104	41366	4.937	ug/l	95
71) Bromoform	12.203	173	8794	5.089	ug/l #	97
73) Isopropylbenzene	12.325	105	68040	5.245	ug/l	99
74) N-amyl acetate	12.142	43	13812	4.563	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	13753	5.668	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	9741m	5.309	ug/l	
77) Bromobenzene	12.605	156	16999	5.530	ug/l	92
78) n-propylbenzene	12.666	91	80782	5.259	ug/l	99
79) 2-Chlorotoluene	12.752	91	46507	5.390	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	57157	5.222	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	4071	4.926	ug/l	91
82) 4-Chlorotoluene	12.849	91	47717	5.316	ug/l	95
83) tert-Butylbenzene	13.075	119	50417	5.270	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	55810	5.211	ug/l	98
85) sec-Butylbenzene	13.252	105	73932	5.219	ug/l	98
86) p-Isopropyltoluene	13.367	119	60423	5.043	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	33498	5.427	ug/l	100
88) 1,4-Dichlorobenzene	13.441	146	33437	5.471	ug/l	95
89) n-Butylbenzene	13.697	91	56111	5.159	ug/l	98
90) Hexachloroethane	13.959	117	12181	5.415	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	29785	5.448	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2122	5.181	ug/l	70
93) 1,2,4-Trichlorobenzene	15.001	180	17731	5.222	ug/l	99
94) Hexachlorobutadiene	15.111	225	11013	5.376	ug/l	94
95) Naphthalene	15.233	128	33456	4.996	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	14939	5.040	ug/l	96

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

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