

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091322\
 Data File : VY010461.D
 Acq On : 13 Sep 2022 16:06
 Operator : KP/MD
 Sample : N3980-01 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Sep 14 06:29:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 14 06:25:52 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/14/2022
 Supervised By :Mahesh Dadoda 09/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	215068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	341324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	304601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127001	58.632	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.260%			
35) Dibromofluoromethane	7.710	113	123195	50.821	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.640%			
50) Toluene-d8	10.173	98	450589	57.353	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.700%			
62) 4-Bromofluorobenzene	12.477	95	160399	44.491	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	10005	6.072	ug/l	92
3) Chloromethane	2.107	50	12213	5.054	ug/l	99
4) Vinyl Chloride	2.241	62	13846	4.645	ug/l	97
5) Bromomethane	2.637	94	10347	4.954	ug/l	93
6) Chloroethane	2.778	64	9449	4.739	ug/l	99
7) Trichlorofluoromethane	3.107	101	17235	4.564	ug/l	97
8) Diethyl Ether	3.521	74	5603	4.582	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.881	101	10062	4.551	ug/l	94
10) Methyl Iodide	4.076	142	10929	3.995	ug/l	92
11) Tert butyl alcohol	4.942	59	8221	28.098	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	9253	4.461	ug/l	85
13) Acrolein	3.723	56	3907	18.907	ug/l	99
14) Allyl chloride	4.466	41	13731	4.597	ug/l #	95
15) Acrylonitrile	5.155	53	13728	23.189	ug/l	98
16) Acetone	3.942	43	13714	27.588	ug/l	93
17) Carbon Disulfide	4.174	76	23264	4.148	ug/l	98
18) Methyl Acetate	4.466	43	9877	6.459	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	26241	4.581	ug/l	94
20) Methylene Chloride	4.698	84	43911	14.474	ug/l	87
21) trans-1,2-Dichloroethene	5.204	96	10282	4.366	ug/l	84
22) Diisopropyl ether	6.106	45	29521	4.427	ug/l #	95
23) Vinyl Acetate	6.051	43	78598	19.235	ug/l #	88
24) 1,1-Dichloroethane	6.003	63	18756	4.646	ug/l	96
25) 2-Butanone	6.972	43	23780	30.102	ug/l	97
26) 2,2-Dichloropropane	6.972	77	23556	6.115	ug/l	91
27) cis-1,2-Dichloroethene	6.978	96	12196	4.455	ug/l	91
28) Bromochloromethane	7.319	49	7028	5.430	ug/l #	81
29) Tetrahydrofuran	7.344	42	12062	24.464	ug/l #	88
30) Chloroform	7.496	83	19813	4.627	ug/l	97
31) Cyclohexane	7.777	56	19446	5.314	ug/l #	74
32) 1,1,1-Trichloroethane	7.691	97	17749	4.578	ug/l	96
36) 1,1-Dichloropropene	7.905	75	14814	4.464	ug/l	99
37) Ethyl Acetate	7.063	43	8084	4.634	ug/l #	91
38) Carbon Tetrachloride	7.893	117	15859	4.295	ug/l	98
39) Methylcyclohexane	9.179	83	17274	4.175	ug/l	94
40) Benzene	8.155	78	43156	4.517	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	3306m	3.315	ug/l	
42) 1,2-Dichloroethane	8.234	62	13128	4.621	ug/l	93
43) Isopropyl Acetate	8.264	43	14141	4.429	ug/l #	89
44) Trichloroethene	8.935	130	12153	4.322	ug/l	94
45) 1,2-Dichloropropane	9.209	63	10333	4.435	ug/l	95
46) Dibromomethane	9.301	93	6334	4.508	ug/l	99
47) Bromodichloromethane	9.490	83	14686	4.401	ug/l	98
48) Methyl methacrylate	9.289	41	6070	4.233	ug/l #	82
49) 1,4-Dioxane	9.289	88	1595	85.756	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	37776	21.571	ug/l	91
52) Toluene	10.240	92	27504	4.400	ug/l	91
53) t-1,3-Dichloropropene	10.459	75	13924	4.054	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	16556	4.274	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	9284	4.645	ug/l	97
56) Ethyl methacrylate	10.508	69	10406	3.964	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	15131	4.553	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	28411	31.818	ug/l	93
59) 2-Hexanone	10.831	43	24290	20.348	ug/l	88
60) Dibromochloromethane	10.977	129	10242	4.193	ug/l	96
61) 1,2-Dibromoethane	11.087	107	8529	4.396	ug/l	97
64) Tetrachloroethene	10.715	164	12066	4.395	ug/l	95
65) Chlorobenzene	11.514	112	30152	4.426	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	10788	4.276	ug/l	94
67) Ethyl Benzene	11.587	91	50945	4.226	ug/l	98
68) m/p-Xylenes	11.697	106	39272	8.297	ug/l	97
69) o-Xylene	12.026	106	18699	4.137	ug/l	95
70) Styrene	12.044	104	30489	3.986	ug/l	95
71) Bromoform	12.203	173	6516	4.131	ug/l #	100
73) Isopropylbenzene	12.325	105	50076	4.193	ug/l	99
74) N-amyl acetate	12.142	43	10554	3.788	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	10368	4.641	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	7397m	4.379	ug/l	
77) Bromobenzene	12.605	156	11823	4.178	ug/l	98
78) n-propylbenzene	12.666	91	60303	4.264	ug/l	97
79) 2-Chlorotoluene	12.751	91	33938	4.272	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	43929	4.360	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	3118	4.098	ug/l	90
82) 4-Chlorotoluene	12.849	91	35612	4.309	ug/l	97
83) tert-Butylbenzene	13.068	119	36390	4.132	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	42222	4.283	ug/l	96
85) sec-Butylbenzene	13.251	105	54303	4.164	ug/l	100
86) p-Isopropyltoluene	13.367	119	44993	4.079	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	23836	4.195	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	24446	4.345	ug/l	93
89) n-Butylbenzene	13.690	91	41462	4.141	ug/l	99
90) Hexachloroethane	13.959	117	9060	4.375	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	21359	4.244	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1752	4.646	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	13257	4.241	ug/l	96
94) Hexachlorobutadiene	15.111	225	8053	4.270	ug/l	96
95) Naphthalene	15.233	128	25724	4.172	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	11707	4.290	ug/l	97

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

