

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010509.D
 Acq On : 15 Sep 2022 14:28
 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 16 04:55:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 16 04:54:10 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/16/2022
 Supervised By :Mahesh Dadoda 09/16/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	204627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	328040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	294813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	111730	54.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.420%	
35) Dibromofluoromethane	7.710	113	108856	46.724	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.440%	
50) Toluene-d8	10.179	98	394157	52.202	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	12.477	95	140251	40.478	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.960%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	9528	6.077	ug/l	100
3) Chloromethane	2.107	50	10399	4.523	ug/l	96
4) Vinyl Chloride	2.247	62	12622	4.450	ug/l	97
5) Bromomethane	2.650	94	9675	4.869	ug/l	100
6) Chloroethane	2.790	64	8971	4.729	ug/l	94
7) Trichlorofluoromethane	3.113	101	16664	4.638	ug/l	99
8) Diethyl Ether	3.528	74	5458	4.691	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.893	101	9701	4.612	ug/l	96
10) Methyl Iodide	4.088	142	10281	3.950	ug/l	93
11) Tert butyl alcohol	4.936	59	10005	35.941	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	8490	4.302	ug/l	87
13) Acrolein	3.729	56	3309m	16.830	ug/l	
14) Allyl chloride	4.479	41	12504	4.400	ug/l #	94
15) Acrylonitrile	5.161	53	12864	22.838	ug/l	99
16) Acetone	3.942	43	13416	28.366	ug/l	93
17) Carbon Disulfide	4.186	76	21706	4.068	ug/l	99
18) Methyl Acetate	4.479	43	9620	6.612	ug/l #	87
19) Methyl tert-butyl Ether	5.204	73	23881	4.382	ug/l #	90
20) Methylene Chloride	4.710	84	32216	11.161	ug/l #	79
21) trans-1,2-Dichloroethene	5.204	96	9738	4.346	ug/l	86
22) Diisopropyl ether	6.113	45	27386	4.317	ug/l #	91
23) Vinyl Acetate	6.052	43	69869	17.971	ug/l	95
24) 1,1-Dichloroethane	6.009	63	18105	4.714	ug/l	96
25) 2-Butanone	6.984	43	21298	28.335	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	21233	5.794	ug/l	90
27) cis-1,2-Dichloroethene	6.972	96	11576	4.445	ug/l	98
28) Bromochloromethane	7.326	49	6753	5.484	ug/l	85
29) Tetrahydrofuran	7.344	42	10505	22.393	ug/l #	81
30) Chloroform	7.503	83	18788	4.612	ug/l	97
31) Cyclohexane	7.783	56	17718	5.089	ug/l #	62
32) 1,1,1-Trichloroethane	7.698	97	16309	4.421	ug/l	94
36) 1,1-Dichloropropene	7.911	75	13224	4.146	ug/l	95
37) Ethyl Acetate	7.070	43	7879	4.699	ug/l #	89
38) Carbon Tetrachloride	7.893	117	15086	4.252	ug/l	97
39) Methylcyclohexane	9.179	83	16381	4.119	ug/l	91
40) Benzene	8.155	78	40691	4.432	ug/l	94

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41) Methacrylonitrile	7.314	41	3280m	3.422	ug/l	
42) 1,2-Dichloroethane	8.234	62	12518	4.585	ug/l	94
43) Isopropyl Acetate	8.271	43	13085	4.264	ug/l #	91
44) Trichloroethene	8.935	130	11382	4.211	ug/l	97
45) 1,2-Dichloropropane	9.210	63	9757	4.357	ug/l	96
46) Dibromomethane	9.301	93	6116	4.529	ug/l	97
47) Bromodichloromethane	9.490	83	14059	4.383	ug/l	99
48) Methyl methacrylate	9.289	41	5312	3.855	ug/l #	79
49) 1,4-Dioxane	9.307	88	1642	91.858	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	35088	20.848	ug/l	88
52) Toluene	10.240	92	25863	4.305	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	13870	4.202	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	15535	4.173	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	8549	4.451	ug/l	97
56) Ethyl methacrylate	10.508	69	9584	3.799	ug/l #	82
57) 1,3-Dichloropropane	10.789	76	14116	4.420	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	24829	28.932	ug/l	93
59) 2-Hexanone	10.831	43	22803	19.876	ug/l	88
60) Dibromochloromethane	10.984	129	9996	4.258	ug/l	97
61) 1,2-Dibromoethane	11.087	107	8034	4.309	ug/l	99
64) Tetrachloroethene	10.715	164	11507	4.330	ug/l	97
65) Chlorobenzene	11.514	112	28625	4.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	10169	4.164	ug/l	97
67) Ethyl Benzene	11.593	91	48014	4.115	ug/l	97
68) m/p-Xylenes	11.703	106	36575	7.984	ug/l	94
69) o-Xylene	12.026	106	17538	4.009	ug/l	94
70) Styrene	12.044	104	28816	3.892	ug/l	95
71) Bromoform	12.203	173	6096	3.993	ug/l #	97
73) Isopropylbenzene	12.331	105	46229	3.938	ug/l	97
74) N-amyl acetate	12.142	43	9314	3.400	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	9614	4.378	ug/l	95
76) 1,2,3-Trichloropropane	12.636	75	7341m	4.420	ug/l	
77) Bromobenzene	12.611	156	11644	4.186	ug/l	93
78) n-propylbenzene	12.666	91	56453	4.061	ug/l	98
79) 2-Chlorotoluene	12.752	91	32831	4.204	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	41040	4.143	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	2884	3.856	ug/l	94
82) 4-Chlorotoluene	12.855	91	32422	3.991	ug/l	97
83) tert-Butylbenzene	13.075	119	33920	3.918	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	39696	4.096	ug/l	100
85) sec-Butylbenzene	13.251	105	49544	3.864	ug/l	98
86) p-Isopropyltoluene	13.367	119	41500	3.827	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	22804	4.082	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	22829	4.127	ug/l	94
89) n-Butylbenzene	13.697	91	38149	3.875	ug/l	99
90) Hexachloroethane	13.959	117	8463	4.156	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	20430	4.129	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1583	4.270	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	11215	3.649	ug/l	98
94) Hexachlorobutadiene	15.111	225	7308	3.941	ug/l	97
95) Naphthalene	15.233	128	21813	3.599	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	10030	3.739	ug/l	97

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

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