

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062122\
 Data File : VY009261.D
 Acq On : 21 Jun 2022 17:31
 Operator : KP/MD
 Sample : N3214-01 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022 4.0PPB

Quant Time: Jun 22 07:00:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 22 06:52:17 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2022
 Supervised By :Semsettin Yesilyurt 06/23/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	159994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	256190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	236147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81280	46.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.520%		
35) Dibromofluoromethane	7.710	113	79449	47.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.780%		
50) Toluene-d8	10.173	98	300122	47.089	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.180%		
62) 4-Bromofluorobenzene	12.477	95	106080	47.365	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	5076	4.330	ug/l	99
3) Chloromethane	2.107	50	6380	4.435	ug/l #	88
4) Vinyl Chloride	2.241	62	6694	4.189	ug/l #	88
5) Bromomethane	2.637	94	5644	5.065	ug/l	89
6) Chloroethane	2.784	64	4259	4.003	ug/l	95
7) Trichlorofluoromethane	3.119	101	10891	4.294	ug/l	95
8) Diethyl Ether	3.515	74	3660	3.929	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	7027	4.357	ug/l	97
10) Methyl Iodide	4.076	142	6612	3.357	ug/l	95
11) Tert butyl alcohol	4.948	59	10063m	30.595	ug/l	
12) 1,1-Dichloroethene	3.863	96	6477	4.226	ug/l	85
13) Acrolein	3.729	56	1025	14.045	ug/l	87
14) Allyl chloride	4.466	41	12045	4.375	ug/l	90
15) Acrylonitrile	5.161	53	10720	20.637	ug/l	98
16) Acetone	3.942	43	9845	22.676	ug/l #	89
17) Carbon Disulfide	4.186	76	16168	3.797	ug/l #	94
18) Methyl Acetate	4.473	43	9964	6.689	ug/l	95
19) Methyl tert-butyl Ether	5.210	73	18524	4.021	ug/l	98
20) Methylene Chloride	4.710	84	24123	8.393	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	7636	4.204	ug/l	94
22) Diisopropyl ether	6.112	45	23672	4.090	ug/l	90
23) Vinyl Acetate	6.058	43	58437	16.445	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	14085	4.299	ug/l	98
25) 2-Butanone	6.978	43	15692	22.381	ug/l	94
26) 2,2-Dichloropropane	6.972	77	12895	4.187	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	8580	4.029	ug/l	96
28) Bromochloromethane	7.332	49	6463	4.572	ug/l	90
29) Tetrahydrofuran	7.344	42	9616	21.657	ug/l	92
30) Chloroform	7.502	83	14330	4.249	ug/l	90
31) Cyclohexane	7.777	56	14753	4.837	ug/l #	74
32) 1,1,1-Trichloroethane	7.698	97	12249	4.160	ug/l	98
36) 1,1-Dichloropropene	7.911	75	10943	4.334	ug/l	98
37) Ethyl Acetate	7.064	43	7049	4.617	ug/l	97
38) Carbon Tetrachloride	7.893	117	10612	4.042	ug/l	96
39) Methylcyclohexane	9.179	83	12187	3.934	ug/l	99
40) Benzene	8.155	78	30349	4.063	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	3607m	4.261	ug/l	
42) 1,2-Dichloroethane	8.234	62	9625	4.490	ug/l	89
43) Isopropyl Acetate	8.265	43	11524	4.119	ug/l #	91
44) Trichloroethene	8.935	130	8906	4.234	ug/l	89
45) 1,2-Dichloropropane	9.209	63	7954	4.133	ug/l	94
46) Dibromomethane	9.295	93	4559	4.166	ug/l	97
47) Bromodichloromethane	9.496	83	10597	4.078	ug/l	93
48) Methyl methacrylate	9.283	41	4956	4.041	ug/l	93
49) 1,4-Dioxane	9.295	88	1408	89.537	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	31305	21.511	ug/l	98
52) Toluene	10.240	92	20239	4.286	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	10673	3.950	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	12016	3.907	ug/l	91
55) 1,1,2-Trichloroethane	10.636	97	6200	4.036	ug/l	96
56) Ethyl methacrylate	10.508	69	7667	3.773	ug/l	90
57) 1,3-Dichloropropane	10.782	76	10965	4.172	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	20640	23.678	ug/l	97
59) 2-Hexanone	10.831	43	20399	20.712	ug/l	94
60) Dibromochloromethane	10.977	129	7690	4.105	ug/l	93
61) 1,2-Dibromoethane	11.087	107	5856	3.910	ug/l	96
64) Tetrachloroethene	10.715	164	9648	4.235	ug/l	91
65) Chlorobenzene	11.514	112	22536	4.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	7666	3.941	ug/l	93
67) Ethyl Benzene	11.593	91	38068	4.129	ug/l	97
68) m/p-Xylenes	11.697	106	29352	8.113	ug/l	92
69) o-Xylene	12.026	106	13551	3.939	ug/l	93
70) Styrene	12.038	104	21609	3.787	ug/l	97
71) Bromoform	12.209	173	5011	4.168	ug/l #	96
73) Isopropylbenzene	12.325	105	35651	3.806	ug/l	98
74) N-amyl acetate	12.142	43	9731	3.889	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	7370	4.135	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	6180m	4.415	ug/l	
77) Bromobenzene	12.605	156	8799	3.867	ug/l	98
78) n-propylbenzene	12.666	91	43904	3.890	ug/l	97
79) 2-Chlorotoluene	12.752	91	25767	4.053	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	29229	3.759	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.367	75	2590	3.923	ug/l	87
82) 4-Chlorotoluene	12.849	91	26181	3.948	ug/l	96
83) tert-Butylbenzene	13.069	119	26538	3.913	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	29655	3.891	ug/l	99
85) sec-Butylbenzene	13.251	105	41631	4.101	ug/l	98
86) p-Isopropyltoluene	13.367	119	31877	3.778	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	18312	4.164	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	18347	4.158	ug/l	93
89) n-Butylbenzene	13.696	91	31700	4.034	ug/l	98
90) Hexachloroethane	13.959	117	6723	4.200	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	16809	4.254	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1235	3.890	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	9206	3.808	ug/l	99
94) Hexachlorobutadiene	15.105	225	5784	4.447	ug/l	96
95) Naphthalene	15.233	128	17308	3.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	8255	3.995	ug/l	99

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

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