

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062122\
 Data File : VY009260.D
 Acq On : 21 Jun 2022 16:46
 Operator : KP/MD
 Sample : N3214-01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022 2.5PPB

Quant Time: Jun 22 06:52:32 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	163653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	242117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	88159	49.049	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.100%		
35) Dibromofluoromethane	7.710	113	84873	49.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.060%		
50) Toluene-d8	10.173	98	321645	48.367	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.740%		
62) 4-Bromofluorobenzene	12.477	95	111615	47.764	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	3612	3.012	ug/l	98
3) Chloromethane	2.107	50	4093	2.781	ug/l #	78
4) Vinyl Chloride	2.247	62	4223	2.584	ug/l	93
5) Bromomethane	2.644	94	3859	3.386	ug/l	92
6) Chloroethane	2.784	64	2799	2.572	ug/l	96
7) Trichlorofluoromethane	3.119	101	6765	2.607	ug/l	90
8) Diethyl Ether	3.522	74	2696	2.830	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.881	101	4571	2.771	ug/l	93
10) Methyl Iodide	4.088	142	4586	2.276	ug/l	92
11) Tert butyl alcohol	4.924	59	7990	23.749	ug/l #	82
12) 1,1-Dichloroethene	3.863	96	4440	2.832	ug/l #	72
13) Acrolein	3.729	56	650	8.707	ug/l	84
14) Allyl chloride	4.466	41	7174	2.547	ug/l	95
15) Acrylonitrile	5.161	53	6822	12.840	ug/l	97
16) Acetone	3.936	43	6966	15.686	ug/l	97
17) Carbon Disulfide	4.180	76	11041	2.535	ug/l	97
18) Methyl Acetate	4.473	43	6079	3.989	ug/l	100
19) Methyl tert-butyl Ether	5.204	73	12053	2.558	ug/l	97
20) Methylene Chloride	4.704	84	23265	7.914	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	4518	2.432	ug/l	80
22) Diisopropyl ether	6.119	45	14839	2.507	ug/l #	93
23) Vinyl Acetate	6.052	43	36769	10.116	ug/l	97
24) 1,1-Dichloroethane	6.015	63	8921	2.662	ug/l #	94
25) 2-Butanone	6.984	43	10246	14.287	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	9261	2.940	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	5292	2.429	ug/l	95
28) Bromochloromethane	7.326	49	4495	3.109	ug/l #	97
29) Tetrahydrofuran	7.344	42	6355	13.993	ug/l	97
30) Chloroform	7.503	83	8728	2.530	ug/l	97
31) Cyclohexane	7.777	56	10433	3.344	ug/l #	64
32) 1,1,1-Trichloroethane	7.698	97	7463	2.478	ug/l	99
36) 1,1-Dichloropropene	7.911	75	7160	2.718	ug/l	95
37) Ethyl Acetate	7.070	43	4295	2.696	ug/l #	81
38) Carbon Tetrachloride	7.899	117	6499	2.372	ug/l	96
39) Methylcyclohexane	9.173	83	7979	2.468	ug/l	87
40) Benzene	8.155	78	19016	2.440	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	2515	2.847	ug/l #	48
42) 1,2-Dichloroethane	8.234	62	5686	2.542	ug/l	94
43) Isopropyl Acetate	8.265	43	7291	2.497	ug/l #	88
44) Trichloroethene	8.935	130	5912	2.694	ug/l	85
45) 1,2-Dichloropropane	9.210	63	4920	2.450	ug/l	100
46) Dibromomethane	9.301	93	2836	2.484	ug/l	98
47) Bromodichloromethane	9.496	83	6724	2.480	ug/l #	84
48) Methyl methacrylate	9.283	41	3259	2.547	ug/l	88
49) 1,4-Dioxane	9.301	88	767	46.746	ug/l #	89
51) 4-Methyl-2-Pentanone	10.063	43	19725	12.990	ug/l	94
52) Toluene	10.240	92	12640	2.566	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	6727	2.386	ug/l	91
54) cis-1,3-Dichloropropene	9.923	75	7776	2.423	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	4056	2.531	ug/l	94
56) Ethyl methacrylate	10.502	69	4876	2.300	ug/l	91
57) 1,3-Dichloropropane	10.788	76	7041	2.567	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.776	63	13102	14.406	ug/l	95
59) 2-Hexanone	10.831	43	12487	12.151	ug/l	93
60) Dibromochloromethane	10.977	129	4625	2.366	ug/l	95
61) 1,2-Dibromoethane	11.087	107	3681	2.356	ug/l	99
64) Tetrachloroethene	10.721	164	6613	2.831	ug/l	89
65) Chlorobenzene	11.514	112	14108	2.587	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.581	131	4622	2.318	ug/l	88
67) Ethyl Benzene	11.587	91	24046	2.544	ug/l	92
68) m/p-Xylenes	11.697	106	18686	5.038	ug/l	93
69) o-Xylene	12.026	106	8988	2.548	ug/l	88
70) Styrene	12.038	104	14036	2.399	ug/l	93
71) Bromoform	12.203	173	2899	2.352	ug/l #	98
73) Isopropylbenzene	12.325	105	22285	2.419	ug/l	98
74) N-amyl acetate	12.142	43	5734	2.330	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	4711	2.688	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	2631m	1.911	ug/l	
77) Bromobenzene	12.605	156	5991	2.677	ug/l	94
78) n-propylbenzene	12.666	91	29025	2.615	ug/l	97
79) 2-Chlorotoluene	12.752	91	16438	2.629	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	19237	2.515	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	1635m	2.518	ug/l	
82) 4-Chlorotoluene	12.855	91	16972	2.603	ug/l	92
83) tert-Butylbenzene	13.075	119	17398	2.608	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	18765	2.504	ug/l	96
85) sec-Butylbenzene	13.251	105	26177	2.622	ug/l	100
86) p-Isopropyltoluene	13.367	119	20608	2.483	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	12642	2.923	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	12719	2.931	ug/l	93
89) n-Butylbenzene	13.690	91	19886	2.573	ug/l	97
90) Hexachloroethane	13.959	117	4020	2.554	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	10543	2.713	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	1097	3.514	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	6496	2.732	ug/l	99
94) Hexachlorobutadiene	15.105	225	3726	2.913	ug/l	99
95) Naphthalene	15.233	128	12173	2.552	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	5612	2.762	ug/l	96

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

