

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009268.D
 Acq On : 22 Jun 2022 12:49
 Operator : KP/MD
 Sample : N3214-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022 5.0PPB

Quant Time: Jun 23 08:23:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 23 08:23:20 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	157151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	254087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	10640	6.165	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.320%#		
35) Dibromofluoromethane	7.710	113	9373	5.696	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.400%#		
50) Toluene-d8	10.179	98	36804	5.822	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.640%#		
62) 4-Bromofluorobenzene	12.483	95	13278	5.978	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6616	5.746	ug/l	89
3) Chloromethane	2.113	50	8091	5.726	ug/l	90
4) Vinyl Chloride	2.247	62	9134	5.819	ug/l #	85
5) Bromomethane	2.638	94	6723	6.143	ug/l	100
6) Chloroethane	2.790	64	5534	5.296	ug/l	94
7) Trichlorofluoromethane	3.113	101	14182	5.692	ug/l	87
8) Diethyl Ether	3.522	74	5406	5.909	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	9058	5.718	ug/l	91
10) Methyl Iodide	4.082	142	9309	4.812	ug/l #	84
11) Tert butyl alcohol	4.924	59	16594	51.365	ug/l #	77
12) 1,1-Dichloroethene	3.863	96	8519	5.659	ug/l #	83
13) Acrolein	3.729	56	1137	15.861	ug/l	96
14) Allyl chloride	4.466	41	14794	5.470	ug/l	92
15) Acrylonitrile	5.155	53	14386	28.196	ug/l	98
16) Acetone	3.948	43	14401	33.770	ug/l	91
17) Carbon Disulfide	4.186	76	19701	4.711	ug/l	96
18) Methyl Acetate	4.473	43	13870	9.479	ug/l	97
19) Methyl tert-butyl Ether	5.204	73	25755	5.691	ug/l #	89
20) Methylene Chloride	4.710	84	16531	5.856	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	9807	5.497	ug/l #	80
22) Diisopropyl ether	6.113	45	31875	5.607	ug/l	98
23) Vinyl Acetate	6.052	43	79417	22.753	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	18304	5.688	ug/l	95
25) 2-Butanone	6.984	43	21072	30.599	ug/l	96
26) 2,2-Dichloropropane	6.978	77	18106	5.985	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	11644	5.567	ug/l	96
28) Bromochloromethane	7.332	49	8357	6.019	ug/l	94
29) Tetrahydrofuran	7.344	42	12777	29.297	ug/l	92
30) Chloroform	7.503	83	18564	5.604	ug/l	98
31) Cyclohexane	7.783	56	17564	5.862	ug/l #	66
32) 1,1,1-Trichloroethane	7.691	97	15965	5.521	ug/l	95
36) 1,1-Dichloropropene	7.911	75	13783	5.504	ug/l	97
37) Ethyl Acetate	7.070	43	8657	5.717	ug/l #	86
38) Carbon Tetrachloride	7.893	117	14331	5.504	ug/l	92
39) Methylcyclohexane	9.179	83	15213	4.951	ug/l	91
40) Benzene	8.155	78	41388	5.586	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	5175	6.164	ug/l #	42
42) 1,2-Dichloroethane	8.228	62	11909	5.602	ug/l	91
43) Isopropyl Acetate	8.271	43	15786	5.689	ug/l	94
44) Trichloroethene	8.941	130	11717	5.616	ug/l	96
45) 1,2-Dichloropropane	9.210	63	10769	5.642	ug/l	90
46) Dibromomethane	9.301	93	6140	5.657	ug/l	95
47) Bromodichloromethane	9.490	83	14007	5.435	ug/l	98
48) Methyl methacrylate	9.289	41	6539	5.376	ug/l #	89
49) 1,4-Dioxane	9.289	88	1720	110.282	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	41786	28.950	ug/l	97
52) Toluene	10.240	92	24980	5.334	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	13787	5.145	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	16034	5.257	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	8919	5.855	ug/l	94
56) Ethyl methacrylate	10.508	69	10449	5.185	ug/l #	89
57) 1,3-Dichloropropane	10.789	76	14477	5.554	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	26109	30.200	ug/l	99
59) 2-Hexanone	10.831	43	27829	28.489	ug/l	92
60) Dibromochloromethane	10.977	129	9951	5.356	ug/l	97
61) 1,2-Dibromoethane	11.087	107	8211	5.528	ug/l	97
64) Tetrachloroethene	10.715	164	12493	5.695	ug/l	97
65) Chlorobenzene	11.514	112	28789	5.621	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	10164	5.427	ug/l	96
67) Ethyl Benzene	11.593	91	49357	5.560	ug/l	95
68) m/p-Xylenes	11.703	106	38274	10.988	ug/l	93
69) o-Xylene	12.026	106	18052	5.450	ug/l	89
70) Styrene	12.044	104	28917	5.264	ug/l	96
71) Bromoform	12.209	173	6298	5.441	ug/l #	98
73) Isopropylbenzene	12.325	105	46108	5.099	ug/l	98
74) N-amyl acetate	12.142	43	12771	5.288	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	9776	5.683	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	7412m	5.485	ug/l	
77) Bromobenzene	12.605	156	11647	5.303	ug/l	96
78) n-propylbenzene	12.672	91	57674	5.294	ug/l	97
79) 2-Chlorotoluene	12.758	91	32977	5.374	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	38225	5.092	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	3336	5.235	ug/l	91
82) 4-Chlorotoluene	12.855	91	34666	5.416	ug/l	96
83) tert-Butylbenzene	13.075	119	33988	5.192	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	38714	5.263	ug/l	99
85) sec-Butylbenzene	13.251	105	50981	5.202	ug/l	98
86) p-Isopropyltoluene	13.367	119	43438	5.333	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	22940	5.404	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	23913	5.614	ug/l	96
89) n-Butylbenzene	13.697	91	40325	5.316	ug/l	99
90) Hexachloroethane	13.959	117	7909	5.119	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	21263	5.575	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1669	5.447	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	12125	5.196	ug/l	99
94) Hexachlorobutadiene	15.111	225	7658	6.100	ug/l	94
95) Naphthalene	15.233	128	22368	4.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	10430	5.230	ug/l	99

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

