

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091222\
 Data File : VY010447.D
 Acq On : 12 Sep 2022 16:29
 Operator : KP/MD
 Sample : N3980-02 5.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022 5.0PPB

Quant Time: Sep 13 05:27:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 05:24:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	198675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	325418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	290399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113045	56.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.980%			
35) Dibromofluoromethane	7.709	113	106622	46.134	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.260%			
50) Toluene-d8	10.172	98	399588	53.348	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.700%			
62) 4-Bromofluorobenzene	12.477	95	136406	39.685	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	8941	5.874	ug/l	94
3) Chloromethane	2.107	50	14753	6.609	ug/l	97
4) Vinyl Chloride	2.241	62	16879	6.129	ug/l	97
5) Bromomethane	2.637	94	11797	6.115	ug/l	96
6) Chloroethane	2.783	64	11231	6.097	ug/l	99
7) Trichlorofluoromethane	3.113	101	20264	5.809	ug/l	92
8) Diethyl Ether	3.521	74	6778	6.000	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.881	101	11718	5.738	ug/l	95
10) Methyl Iodide	4.082	142	11525	4.560	ug/l	92
11) Tert butyl alcohol	4.942	59	6075	22.477	ug/l	100
12) 1,1-Dichloroethene	3.856	96	11396	5.948	ug/l	88
13) Acrolein	3.722	56	4938	25.868	ug/l	96
14) Allyl chloride	4.466	41	17162	6.220	ug/l	96
15) Acrylonitrile	5.149	53	16329	29.858	ug/l	98
16) Acetone	3.942	43	13965	30.411	ug/l #	82
17) Carbon Disulfide	4.180	76	29443	5.683	ug/l	100
18) Methyl Acetate	4.472	43	11013	7.796	ug/l #	91
19) Methyl tert-butyl Ether	5.210	73	30935	5.847	ug/l	99
20) Methylene Chloride	4.698	84	39210	13.991	ug/l	85
21) trans-1,2-Dichloroethene	5.204	96	12333	5.669	ug/l	88
22) Diisopropyl ether	6.106	45	36885	5.988	ug/l	94
23) Vinyl Acetate	6.045	43	100014	26.496	ug/l	96
24) 1,1-Dichloroethane	6.008	63	22838	6.124	ug/l	99
25) 2-Butanone	6.978	43	20733	28.410	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	19558	5.496	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	14376	5.685	ug/l	90
28) Bromochloromethane	7.325	49	8360	6.992	ug/l	90
29) Tetrahydrofuran	7.337	42	13315	29.234	ug/l	89
30) Chloroform	7.496	83	23595	5.965	ug/l	96
31) Cyclohexane	7.776	56	22391	6.624	ug/l #	76
32) 1,1,1-Trichloroethane	7.697	97	21313	5.951	ug/l	97
36) 1,1-Dichloropropene	7.911	75	17187	5.432	ug/l	97
37) Ethyl Acetate	7.069	43	9935	5.973	ug/l	96
38) Carbon Tetrachloride	7.892	117	18784	5.336	ug/l	97
39) Methylcyclohexane	9.173	83	20847	5.284	ug/l	90
40) Benzene	8.154	78	50093	5.500	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	4038	4.247	ug/l #	66
42) 1,2-Dichloroethane	8.228	62	15218	5.619	ug/l	93
43) Isopropyl Acetate	8.264	43	16028	5.266	ug/l #	87
44) Trichloroethene	8.935	130	13898	5.184	ug/l	89
45) 1,2-Dichloropropane	9.209	63	12611	5.677	ug/l	98
46) Dibromomethane	9.294	93	7217	5.388	ug/l	96
47) Bromodichloromethane	9.490	83	18214	5.724	ug/l	98
48) Methyl methacrylate	9.288	41	7175	5.248	ug/l #	85
49) 1,4-Dioxane	9.288	88	1845	104.046	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	43639	26.137	ug/l	94
52) Toluene	10.239	92	31899	5.352	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	17350	5.299	ug/l	100
54) cis-1,3-Dichloropropene	9.922	75	19766	5.352	ug/l	89
55) 1,1,2-Trichloroethane	10.636	97	9963	5.229	ug/l	94
56) Ethyl methacrylate	10.508	69	12470	4.983	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	17413	5.496	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	32651	38.354	ug/l	95
59) 2-Hexanone	10.831	43	28021	24.621	ug/l	90
60) Dibromochloromethane	10.983	129	12248	5.260	ug/l	99
61) 1,2-Dibromoethane	11.081	107	9814	5.306	ug/l	98
64) Tetrachloroethene	10.715	164	13406	5.122	ug/l	95
65) Chlorobenzene	11.514	112	34189	5.265	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	12728	5.292	ug/l	97
67) Ethyl Benzene	11.587	91	59754	5.199	ug/l	100
68) m/p-Xylenes	11.696	106	45133	10.002	ug/l	98
69) o-Xylene	12.026	106	21635	5.021	ug/l	94
70) Styrene	12.044	104	35354	4.848	ug/l	97
71) Bromoform	12.202	173	7419	4.934	ug/l #	100
73) Isopropylbenzene	12.324	105	57921	5.330	ug/l	100
74) N-amyl acetate	12.142	43	13334	5.259	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.580	83	11520	5.668	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	6916m	4.500	ug/l	
77) Bromobenzene	12.605	156	13769	5.348	ug/l	97
78) n-propylbenzene	12.672	91	70701	5.495	ug/l	99
79) 2-Chlorotoluene	12.751	91	39834	5.511	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	49972	5.451	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	3698	5.342	ug/l	93
82) 4-Chlorotoluene	12.849	91	41096	5.465	ug/l	98
83) tert-Butylbenzene	13.074	119	42784	5.339	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	48766	5.436	ug/l	99
85) sec-Butylbenzene	13.251	105	63259	5.331	ug/l	99
86) p-Isopropyltoluene	13.367	119	50794	5.061	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	27485	5.316	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	27363	5.345	ug/l	95
89) n-Butylbenzene	13.696	91	47600	5.225	ug/l	99
90) Hexachloroethane	13.958	117	10896	5.782	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	24388	5.326	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1942	5.660	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	13885	4.882	ug/l	98
94) Hexachlorobutadiene	15.110	225	8784	5.119	ug/l	100
95) Naphthalene	15.232	128	25444	4.536	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	11544	4.650	ug/l	97

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

