

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075666.D
 Acq On : 13 Apr 2023 18:02
 Operator : KP/SY
 Sample : 02213-02 5.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: Apr 14 02:26:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 14 02:12:39 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	184604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	329402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	372120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95332	54.405	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.820%			
35) Dibromofluoromethane	7.805	113	113243	51.113	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.220%			
50) Toluene-d8	10.269	98	430177	48.485	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.960%			
62) 4-Bromofluorobenzene	12.575	95	119582	50.708	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	8710	5.078	ug/l	96
3) Chloromethane	2.146	50	21394	6.907	ug/l	99
4) Vinyl Chloride	2.275	62	23260	5.659	ug/l	98
5) Bromomethane	2.675	94	19030	5.930	ug/l	94
6) Chloroethane	2.823	64	15622	5.645	ug/l	95
7) Trichlorofluoromethane	3.164	101	19205	6.031	ug/l	91
8) Diethyl Ether	3.587	74	5754	5.805	ug/l	65
9) 1,1,2-Trichlorotrifluo...	3.958	101	11628	5.823	ug/l	95
10) Methyl Iodide	4.152	142	12744	4.663	ug/l	89
11) Tert butyl alcohol	5.058	59	3186m	36.229	ug/l	
12) 1,1-Dichloroethene	3.934	96	11928	5.769	ug/l #	85
13) Acrolein	3.793	56	4209	23.728	ug/l	100
14) Allyl chloride	4.564	41	10029	5.326	ug/l #	78
15) Acrylonitrile	5.258	53	10656	28.785	ug/l	96
16) Acetone	4.017	43	9428	29.370	ug/l #	77
17) Carbon Disulfide	4.258	76	37568	5.552	ug/l	99
18) Methyl Acetate	4.564	43	6991	6.458	ug/l #	78
19) Methyl tert-butyl Ether	5.305	73	21706	5.409	ug/l	92
20) Methylene Chloride	4.799	84	25746	8.714	ug/l #	73
21) trans-1,2-Dichloroethene	5.305	96	13424	5.451	ug/l #	73
22) Diisopropyl ether	6.216	45	22302	5.241	ug/l	93
23) Vinyl Acetate	6.152	43	52676m	26.652	ug/l	
24) 1,1-Dichloroethane	6.105	63	21091	5.982	ug/l	94
25) 2-Butanone	7.093	43	12376	29.943	ug/l #	90
26) 2,2-Dichloropropane	7.069	77	18106	5.664	ug/l	93
27) cis-1,2-Dichloroethene	7.069	96	13906	5.098	ug/l	87
28) Bromochloromethane	7.422	49	6050	5.428	ug/l #	59
29) Tetrahydrofuran	7.446	42	6131	27.125	ug/l #	50
30) Chloroform	7.593	83	23186	5.801	ug/l	88
31) Cyclohexane	7.875	56	16527	6.011	ug/l #	56
32) 1,1,1-Trichloroethane	7.787	97	19196	5.890	ug/l	93
36) 1,1-Dichloropropene	8.005	75	15333	5.016	ug/l	93
37) Ethyl Acetate	7.163	43	5867	6.307	ug/l #	83
38) Carbon Tetrachloride	7.987	117	13340	4.956	ug/l	88
39) Methylcyclohexane	9.275	83	17488	4.948	ug/l	90
40) Benzene	8.246	78	51146	5.383	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	2648	5.932	ug/l #	74
42) 1,2-Dichloroethane	8.328	62	12157	5.633	ug/l	92
43) Isopropyl Acetate	8.363	43	9945	5.863	ug/l #	92
44) Trichloroethene	9.028	130	14276	5.309	ug/l	92
45) 1,2-Dichloropropane	9.305	63	11274	5.295	ug/l #	83
46) Dibromomethane	9.387	93	7870	5.826	ug/l	95
47) Bromodichloromethane	9.587	83	17186	5.562	ug/l	94
48) Methyl methacrylate	9.381	41	4448	5.886	ug/l #	69
49) 1,4-Dioxane	9.387	88	1579	117.816	ug/l #	57
51) 4-Methyl-2-Pentanone	10.157	43	23067	25.506	ug/l #	83
52) Toluene	10.334	92	32267	5.107	ug/l	91
53) t-1,3-Dichloropropene	10.557	75	15628	5.276	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	18378	5.222	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	10809	5.526	ug/l	92
56) Ethyl methacrylate	10.599	69	9306	4.835	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	18324	6.171	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	18372	22.225	ug/l #	89
59) 2-Hexanone	10.922	43	17800	27.993	ug/l	81
60) Dibromochloromethane	11.069	129	13952	6.096	ug/l	98
61) 1,2-Dibromoethane	11.181	107	11499	6.163	ug/l	92
64) Tetrachloroethene	10.810	164	11693	4.363	ug/l	96
65) Chlorobenzene	11.604	112	42858	5.377	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	13975	5.100	ug/l	86
67) Ethyl Benzene	11.687	91	63271	4.891	ug/l	90
68) m/p-Xylenes	11.793	106	50828	9.588	ug/l	85
69) o-Xylene	12.122	106	18845	3.931	ug/l	97
70) Styrene	12.134	104	32742	4.012	ug/l	94
71) Bromoform	12.298	173	7415	5.177	ug/l #	90
73) Isopropylbenzene	12.422	105	47419	4.974	ug/l	99
74) N-amyl acetate	12.234	43	7987	5.701	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.675	83	11912	6.432	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	6463m	5.456	ug/l	
77) Bromobenzene	12.698	156	13590	5.529	ug/l	98
78) n-propylbenzene	12.763	91	62051	5.310	ug/l	99
79) 2-Chlorotoluene	12.851	91	34651	5.228	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	39266	4.940	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	3199	5.853	ug/l #	65
82) 4-Chlorotoluene	12.945	91	35865	5.204	ug/l	92
83) tert-Butylbenzene	13.169	119	32117	4.792	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	38251	4.796	ug/l	100
85) sec-Butylbenzene	13.345	105	49825	4.819	ug/l	98
86) p-Isopropyltoluene	13.463	119	41219	4.789	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	26492	5.181	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	28439	5.630	ug/l	98
89) n-Butylbenzene	13.787	91	38160	4.813	ug/l	99
90) Hexachloroethane	14.057	117	9547	5.583	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	23682	5.407	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1771	7.133	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	12686	4.978	ug/l	92
94) Hexachlorobutadiene	15.204	225	6260	5.140	ug/l	93
95) Naphthalene	15.334	128	23318	4.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	11588	5.166	ug/l	97

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

