

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031023\
 Data File : VD075501.D
 Acq On : 10 Mar 2023 19:20
 Operator : KP/SY
 Sample : 01627-02 5.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 11 00:18:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 11 00:17:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	94211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	167452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	148789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	69536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	50508	59.084	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.160%			
35) Dibromofluoromethane	7.811	113	62406	54.414	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.820%			
50) Toluene-d8	10.269	98	244029	53.861	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.575	95	67317	51.397	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	5294	5.635	ug/l	96
3) Chloromethane	2.152	50	9683	6.227	ug/l	97
4) Vinyl Chloride	2.287	62	12865	5.690	ug/l	100
5) Bromomethane	2.693	94	11060	6.244	ug/l	96
6) Chloroethane	2.840	64	8925	5.893	ug/l	98
7) Trichlorofluoromethane	3.187	101	10442	5.730	ug/l	99
8) Diethyl Ether	3.593	74	2563	5.269	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.981	101	6673	5.628	ug/l	89
10) Methyl Iodide	4.170	142	7190	5.083	ug/l #	89
11) Tert butyl alcohol	5.034	59	649	16.441	ug/l #	100
12) 1,1-Dichloroethene	3.946	96	6180	5.278	ug/l #	79
13) Acrolein	3.799	56	2141	27.257	ug/l	95
14) Allyl chloride	4.564	41	5497	5.456	ug/l #	82
15) Acrylonitrile	5.252	53	5195	29.123	ug/l #	90
16) Acetone	4.028	43	3954	24.847	ug/l #	57
17) Carbon Disulfide	4.275	76	19066	5.397	ug/l	99
18) Methyl Acetate	4.564	43	2735	6.043	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	10448	5.145	ug/l	92
20) Methylene Chloride	4.811	84	11837	7.768	ug/l #	68
21) trans-1,2-Dichloroethene	5.317	96	6992	5.253	ug/l #	78
22) Diisopropyl ether	6.216	45	10970	5.024	ug/l #	84
23) Vinyl Acetate	6.164	43	26765	25.256	ug/l #	91
24) 1,1-Dichloroethane	6.117	63	10914	5.770	ug/l	96
25) 2-Butanone	7.081	43	5005	25.109	ug/l	99
26) 2,2-Dichloropropane	7.075	77	9244	5.314	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	7631	5.350	ug/l	82
28) Bromochloromethane	7.428	49	3235	5.305	ug/l #	53
29) Tetrahydrofuran	7.452	42	2692	24.814	ug/l #	44
30) Chloroform	7.599	83	11821	5.627	ug/l	96
31) Cyclohexane	7.875	56	8762	5.754	ug/l #	51
32) 1,1,1-Trichloroethane	7.799	97	10238	5.558	ug/l	95
36) 1,1-Dichloropropene	8.011	75	8228	4.841	ug/l	93
37) Ethyl Acetate	7.169	43	2358	5.325	ug/l #	88
38) Carbon Tetrachloride	7.987	117	7827	4.806	ug/l	86
39) Methylcyclohexane	9.269	83	9709	4.531	ug/l #	85
40) Benzene	8.252	78	26649	5.232	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1227	5.258	ug/l #	66
42) 1,2-Dichloroethane	8.328	62	6277	5.598	ug/l	96
43) Isopropyl Acetate	8.363	43	4356	5.316	ug/l #	88
44) Trichloroethene	9.028	130	7119	4.756	ug/l	94
45) 1,2-Dichloropropane	9.310	63	5951	5.435	ug/l	98
46) Dibromomethane	9.399	93	3736	5.536	ug/l	93
47) Bromodichloromethane	9.587	83	9092	5.564	ug/l	88
48) Methyl methacrylate	9.381	41	1950	5.066	ug/l #	60
49) 1,4-Dioxane	9.375	88	442	72.198	ug/l #	21
51) 4-Methyl-2-Pentanone	10.163	43	10467	24.562	ug/l #	81
52) Toluene	10.334	92	17003	5.151	ug/l	93
53) t-1,3-Dichloropropene	10.557	75	6972	4.743	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	8965	4.966	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	4852	5.079	ug/l	91
56) Ethyl methacrylate	10.605	69	4723	5.192	ug/l #	63
57) 1,3-Dichloropropane	10.881	76	7196	4.894	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.875	63	9939	22.325	ug/l #	82
59) 2-Hexanone	10.922	43	6729	22.328	ug/l	79
60) Dibromochloromethane	11.081	129	5683	5.035	ug/l	100
61) 1,2-Dibromoethane	11.181	107	4706	5.230	ug/l	97
64) Tetrachloroethene	10.810	164	6005	5.114	ug/l #	90
65) Chlorobenzene	11.610	112	18353	5.201	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	6014	4.975	ug/l	94
67) Ethyl Benzene	11.687	91	28716	4.725	ug/l	99
68) m/p-Xylenes	11.799	106	22558	9.236	ug/l	91
69) o-Xylene	12.122	106	10069	4.439	ug/l	91
70) Styrene	12.140	104	16887	4.475	ug/l	94
71) Bromoform	12.299	173	3092	5.009	ug/l #	93
73) Isopropylbenzene	12.422	105	26289	4.721	ug/l	97
74) N-amyl acetate	12.234	43	3217	4.664	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.675	83	5187	5.492	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	4133m	7.247	ug/l	
77) Bromobenzene	12.704	156	6490	4.902	ug/l	94
78) n-propylbenzene	12.769	91	33182	4.904	ug/l	99
79) 2-Chlorotoluene	12.851	91	17936	4.892	ug/l	93
80) 1,3,5-Trimethylbenzene	12.910	105	20820	4.559	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	1232	4.544	ug/l #	79
82) 4-Chlorotoluene	12.951	91	18565	4.907	ug/l	96
83) tert-Butylbenzene	13.169	119	17348	4.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	21078	4.776	ug/l	99
85) sec-Butylbenzene	13.346	105	27785	4.522	ug/l	97
86) p-Isopropyltoluene	13.463	119	22334	4.448	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	13372	4.886	ug/l	98
88) 1,4-Dichlorobenzene	13.546	146	14257	5.267	ug/l	99
89) n-Butylbenzene	13.793	91	21070	4.576	ug/l	98
90) Hexachloroethane	14.057	117	4846	4.999	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	11909	5.143	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.451	75	564	4.745	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.104	180	5981	4.429	ug/l	91
94) Hexachlorobutadiene	15.204	225	3219	4.998	ug/l	96
95) Naphthalene	15.340	128	11336	4.573	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	5292	4.541	ug/l	94

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

