

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077456.D
 Acq On : 31 Oct 2023 13:04
 Operator : JC/SY
 Sample : 04699-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Quant Time: Nov 01 06:04:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	279789	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	511838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	447651	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	199605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	199920	50.531	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.060%		
35) Dibromofluoromethane	7.804	113	171057	48.354	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.700%		
50) Toluene-d8	10.269	98	679750	49.469	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.575	95	219185	47.360	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.720%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	12936	5.734	ug/l	97
3) Chloromethane	2.152	50	20113	5.615	ug/l	96
4) Vinyl Chloride	2.293	62	19349	5.540	ug/l	93
5) Bromomethane	2.699	94	11031	6.027	ug/l	95
6) Chloroethane	2.846	64	13060	5.554	ug/l	94
7) Trichlorofluoromethane	3.181	101	26121	5.340	ug/l	86
8) Diethyl Ether	3.605	74	8912	5.069	ug/l #	38
9) 1,1,2-Trichlorotrifluo...	3.969	101	16217	5.492	ug/l	94
10) Methyl Iodide	4.169	142	14316	6.745	ug/l	92
11) Tert butyl alcohol	5.057	59	11011	35.134	ug/l #	73
12) 1,1-Dichloroethene	3.952	96	13528	4.839	ug/l #	67
13) Acrolein	3.799	56	11484	27.788	ug/l	99
14) Allyl chloride	4.569	41	33127	4.912	ug/l #	81
15) Acrylonitrile	5.263	53	25957	27.310	ug/l #	89
16) Acetone	4.022	43	38885	37.143	ug/l #	73
17) Carbon Disulfide	4.281	76	30000	6.974	ug/l	98
18) Methyl Acetate	4.575	43	20170	5.282	ug/l #	80
19) Methyl tert-butyl Ether	5.316	73	47642	5.429	ug/l	92
20) Methylene Chloride	4.810	84	33458	6.393	ug/l #	70
21) trans-1,2-Dichloroethene	5.316	96	16646	5.113	ug/l #	63
22) Diisopropyl ether	6.216	45	73776	5.147	ug/l #	86
23) Vinyl Acetate	6.163	43	161834m	26.172	ug/l	
24) 1,1-Dichloroethane	6.110	63	38699	5.204	ug/l	92
25) 2-Butanone	7.087	43	48689	34.868	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	39453	5.986	ug/l	84
27) cis-1,2-Dichloroethene	7.087	96	20723	5.138	ug/l	57
28) Bromochloromethane	7.434	49	13709	6.000	ug/l #	52
29) Tetrahydrofuran	7.446	42	24310	29.353	ug/l #	66
30) Chloroform	7.598	83	36719	5.288	ug/l	98
31) Cyclohexane	7.875	56	36210	5.855	ug/l #	66
32) 1,1,1-Trichloroethane	7.798	97	30689	5.364	ug/l	96
36) 1,1-Dichloropropene	8.016	75	26423	5.038	ug/l	91
37) Ethyl Acetate	7.175	43	16474	5.473	ug/l #	89
38) Carbon Tetrachloride	7.993	117	24671	4.992	ug/l	95
39) Methylcyclohexane	9.269	83	28686	4.793	ug/l #	80
40) Benzene	8.251	78	73894	4.941	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	9524	4.945	ug/l #	69
42) 1,2-Dichloroethane	8.328	62	24315	5.133	ug/l	89
43) Isopropyl Acetate	8.363	43	31298	5.039	ug/l #	81
44) Trichloroethene	9.034	130	18375	5.015	ug/l	97
45) 1,2-Dichloropropane	9.310	63	23752	5.394	ug/l	93
46) Dibromomethane	9.398	93	10373	4.895	ug/l	89
47) Bromodichloromethane	9.587	83	28399	5.070	ug/l	92
48) Methyl methacrylate	9.381	41	15143	5.107	ug/l #	66
49) 1,4-Dioxane	9.393	88	2164	95.038	ug/l #	28
51) 4-Methyl-2-Pentanone	10.157	43	79273	25.927	ug/l #	81
52) Toluene	10.334	92	46027	5.048	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	32361	5.456	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	33980	4.979	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	14783	5.229	ug/l	98
56) Ethyl methacrylate	10.598	69	21360	5.081	ug/l #	62
57) 1,3-Dichloropropane	10.881	76	26880	5.087	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	41573	19.755	ug/l #	86
59) 2-Hexanone	10.922	43	60200	26.728	ug/l	77
60) Dibromochloromethane	11.081	129	16837	4.953	ug/l	95
61) 1,2-Dibromoethane	11.181	107	13528	5.053	ug/l	93
64) Tetrachloroethene	10.810	164	13623	4.780	ug/l #	84
65) Chlorobenzene	11.610	112	47496	5.064	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	18364	5.182	ug/l	94
67) Ethyl Benzene	11.687	91	93827	5.200	ug/l	90
68) m/p-Xylenes	11.792	106	65244	10.013	ug/l	79
69) o-Xylene	12.122	106	31442	5.038	ug/l	74
70) Styrene	12.134	104	57025	5.296	ug/l #	92
71) Bromoform	12.304	173	9966	5.072	ug/l #	94
73) Isopropylbenzene	12.422	105	86672	5.326	ug/l	93
74) N-amyl acetate	12.234	43	31132	5.401	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	17890	5.608	ug/l	92
76) 1,2,3-Trichloropropane	12.728	75	13274m	5.464	ug/l	
77) Bromobenzene	12.698	156	19148	5.345	ug/l	68
78) n-propylbenzene	12.763	91	109594	5.304	ug/l	93
79) 2-Chlorotoluene	12.851	91	61971	5.297	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	71582	5.242	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	6250	4.969	ug/l #	81
82) 4-Chlorotoluene	12.945	91	63340	5.197	ug/l	89
83) tert-Butylbenzene	13.169	119	61032	5.316	ug/l	88
84) 1,2,4-Trimethylbenzene	13.210	105	71431	5.266	ug/l	93
85) sec-Butylbenzene	13.345	105	93853	5.343	ug/l	95
86) p-Isopropyltoluene	13.463	119	75197	5.267	ug/l	92
87) 1,3-Dichlorobenzene	13.463	146	36750	5.219	ug/l	94
88) 1,4-Dichlorobenzene	13.539	146	37706	5.360	ug/l	89
89) n-Butylbenzene	13.786	91	79083	5.329	ug/l	97
90) Hexachloroethane	14.057	117	15259	5.222	ug/l	91
91) 1,2-Dichlorobenzene	13.833	146	32179	5.200	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3068	5.709	ug/l	75
93) 1,2,4-Trichlorobenzene	15.098	180	20914	4.920	ug/l	98
94) Hexachlorobutadiene	15.204	225	11588	5.054	ug/l	96
95) Naphthalene	15.333	128	44607	5.501	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	19804	5.397	ug/l	99

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

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