

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077444.D
 Acq On : 30 Oct 2023 13:05
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD103023

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 04:24:38 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	324006	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	578157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	516688	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	238518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	252633	55.141	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.280%			
35) Dibromofluoromethane	7.804	113	216062	54.070	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.140%			
50) Toluene-d8	10.269	98	831140	53.548	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.100%			
62) 4-Bromofluorobenzene	12.575	95	285962	54.701	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.400%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	123257	47.179	ug/l	96
3) Chloromethane	2.152	50	231417	55.793	ug/l	100
4) Vinyl Chloride	2.287	62	219396	54.243	ug/l	99
5) Bromomethane	2.693	94	109610	51.716	ug/l	97
6) Chloroethane	2.840	64	143418	52.666	ug/l	94
7) Trichlorofluoromethane	3.175	101	288354	50.908	ug/l	99
8) Diethyl Ether	3.593	74	111183	54.607	ug/l #	54
9) 1,1,2-Trichlorotrifluo...	3.969	101	169860	49.675	ug/l	95
10) Methyl Iodide	4.169	142	181703	42.575	ug/l #	90
11) Tert butyl alcohol	5.046	59	92250	254.186	ug/l	99
12) 1,1-Dichloroethene	3.946	96	166942	51.569	ug/l #	66
13) Acrolein	3.793	56	122855	256.702	ug/l	99
14) Allyl chloride	4.563	41	413449	52.942	ug/l #	83
15) Acrylonitrile	5.252	53	290879	264.280	ug/l	99
16) Acetone	4.022	43	310389	256.023	ug/l #	78
17) Carbon Disulfide	4.269	76	507410	50.753	ug/l	98
18) Methyl Acetate	4.563	43	246094	55.649	ug/l #	75
19) Methyl tert-butyl Ether	5.316	73	532938	52.447	ug/l	94
20) Methylene Chloride	4.805	84	254077	56.039	ug/l #	64
21) trans-1,2-Dichloroethene	5.310	96	197853	52.478	ug/l #	68
22) Diisopropyl ether	6.216	45	884503	53.290	ug/l #	89
23) Vinyl Acetate	6.152	43	1851567m	258.575	ug/l	
24) 1,1-Dichloroethane	6.110	63	451089	52.377	ug/l	93
25) 2-Butanone	7.081	43	416646	257.653	ug/l #	73
26) 2,2-Dichloropropane	7.075	77	376274	49.300	ug/l	89
27) cis-1,2-Dichloroethene	7.075	96	244361	52.316	ug/l	70
28) Bromochloromethane	7.428	49	215148	54.888	ug/l #	54
29) Tetrahydrofuran	7.446	42	257005	267.972	ug/l #	69
30) Chloroform	7.599	83	414283	51.519	ug/l	96
31) Cyclohexane	7.881	56	367417	51.300	ug/l #	73
32) 1,1,1-Trichloroethane	7.793	97	332927	50.250	ug/l	94
36) 1,1-Dichloropropene	8.010	75	301231	50.843	ug/l	92
37) Ethyl Acetate	7.169	43	174922	51.446	ug/l #	89
38) Carbon Tetrachloride	7.993	117	278730	49.925	ug/l	96
39) Methylcyclohexane	9.275	83	349572	51.712	ug/l #	79
40) Benzene	8.251	78	888221	52.575	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	111011	51.026	ug/l #	72
42) 1,2-Dichloroethane	8.322	62	281545	52.616	ug/l	89
43) Isopropyl Acetate	8.357	43	365285	52.060	ug/l #	79
44) Trichloroethene	9.028	130	208898	50.479	ug/l	81
45) 1,2-Dichloropropane	9.304	63	256944	51.659	ug/l	100
46) Dibromomethane	9.393	93	122229	51.065	ug/l	89
47) Bromodichloromethane	9.587	83	323625	51.153	ug/l	99
48) Methyl methacrylate	9.381	41	177025	52.854	ug/l #	66
49) 1,4-Dioxane	9.387	88	26548	1032.187	ug/l #	59
51) 4-Methyl-2-Pentanone	10.157	43	906712	262.537	ug/l #	81
52) Toluene	10.334	92	532334	51.687	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	351633	52.489	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	403779	52.376	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	164015	51.359	ug/l	95
56) Ethyl methacrylate	10.598	69	250365	52.729	ug/l #	60
57) 1,3-Dichloropropane	10.881	76	310382	51.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	673751	283.437	ug/l #	85
59) 2-Hexanone	10.922	43	656717	258.123	ug/l	78
60) Dibromochloromethane	11.075	129	198231	51.622	ug/l	97
61) 1,2-Dibromoethane	11.181	107	154651	51.137	ug/l	98
64) Tetrachloroethene	10.810	164	160167	48.690	ug/l	88
65) Chlorobenzene	11.610	112	552657	51.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	203696	49.797	ug/l	97
67) Ethyl Benzene	11.687	91	1053681	50.591	ug/l	93
68) m/p-Xylenes	11.792	106	755788	100.490	ug/l	79
69) o-Xylene	12.122	106	366534	50.879	ug/l	80
70) Styrene	12.134	104	629525	50.654	ug/l #	90
71) Bromoform	12.298	173	111894	49.341	ug/l #	100
73) Isopropylbenzene	12.422	105	957655	49.245	ug/l	94
74) N-amyl acetate	12.234	43	356867	51.809	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	192537	50.509	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	144662m	49.832	ug/l	
77) Bromobenzene	12.704	156	212543	49.654	ug/l	70
78) n-propylbenzene	12.763	91	1205327	48.814	ug/l	92
79) 2-Chlorotoluene	12.851	91	690415	49.383	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	799320	48.986	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	75040	49.931	ug/l #	85
82) 4-Chlorotoluene	12.951	91	710225	48.770	ug/l	89
83) tert-Butylbenzene	13.169	119	665994	48.545	ug/l	87
84) 1,2,4-Trimethylbenzene	13.210	105	797415	49.196	ug/l	92
85) sec-Butylbenzene	13.345	105	1014034	48.308	ug/l	94
86) p-Isopropyltoluene	13.463	119	828152	48.538	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	420701	50.001	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	416889	49.591	ug/l	95
89) n-Butylbenzene	13.786	91	861152	48.560	ug/l	97
90) Hexachloroethane	14.057	117	170325	48.784	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	370305	50.079	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	31756	49.450	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	257481	50.687	ug/l	98
94) Hexachlorobutadiene	15.204	225	134514	49.091	ug/l	99
95) Naphthalene	15.333	128	499759	51.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	220987	50.398	ug/l	97

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

