

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077447.D
 Acq On : 30 Oct 2023 15:01
 Operator : JC/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 04:26:50 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	320816	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	565401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	497862	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	227235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	228626	50.397	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.800%			
35) Dibromofluoromethane	7.804	113	201534	51.572	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.269	98	794660	52.353	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.700%			
62) 4-Bromofluorobenzene	12.575	95	263076	51.458	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	53365	20.629	ug/l	97
3) Chloromethane	2.146	50	75452	18.372	ug/l	98
4) Vinyl Chloride	2.281	62	77237	19.286	ug/l	99
5) Bromomethane	2.687	94	39135	18.648	ug/l	97
6) Chloroethane	2.834	64	51163	18.975	ug/l #	88
7) Trichlorofluoromethane	3.175	101	109478	19.520	ug/l	97
8) Diethyl Ether	3.593	74	38169	18.933	ug/l #	55
9) 1,1,2-Trichlorotrifluo...	3.969	101	67497	19.935	ug/l	93
10) Methyl Iodide	4.163	142	66583	17.739	ug/l #	90
11) Tert butyl alcohol	5.052	59	40561	112.873	ug/l #	90
12) 1,1-Dichloroethene	3.940	96	61447	19.170	ug/l #	62
13) Acrolein	3.799	56	48215	101.746	ug/l	98
14) Allyl chloride	4.563	41	149676	19.356	ug/l #	82
15) Acrylonitrile	5.257	53	105694	96.984	ug/l	96
16) Acetone	4.022	43	120806	100.637	ug/l #	78
17) Carbon Disulfide	4.269	76	128190	15.748	ug/l	96
18) Methyl Acetate	4.563	43	88242	20.153	ug/l #	74
19) Methyl tert-butyl Ether	5.316	73	201334	20.010	ug/l	98
20) Methylene Chloride	4.799	84	123538	26.226	ug/l #	59
21) trans-1,2-Dichloroethene	5.310	96	67896	18.188	ug/l #	65
22) Diisopropyl ether	6.216	45	322119	19.600	ug/l #	88
23) Vinyl Acetate	6.152	43	664567m	93.731	ug/l	
24) 1,1-Dichloroethane	6.110	63	165677	19.428	ug/l	96
25) 2-Butanone	7.081	43	161574	100.910	ug/l #	72
26) 2,2-Dichloropropane	7.075	77	150397	19.901	ug/l	89
27) cis-1,2-Dichloroethene	7.075	96	90049	19.471	ug/l	69
28) Bromochloromethane	7.428	49	57605	16.378	ug/l #	53
29) Tetrahydrofuran	7.446	42	92062	96.945	ug/l #	70
30) Chloroform	7.593	83	157087	19.729	ug/l	95
31) Cyclohexane	7.875	56	133192	18.782	ug/l #	80
32) 1,1,1-Trichloroethane	7.793	97	129299	19.709	ug/l	96
36) 1,1-Dichloropropene	8.004	75	112308	19.384	ug/l	92
37) Ethyl Acetate	7.169	43	65515	19.703	ug/l #	90
38) Carbon Tetrachloride	7.987	117	106344	19.478	ug/l	95
39) Methylcyclohexane	9.269	83	121437	18.369	ug/l #	77
40) Benzene	8.251	78	318703	19.290	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	43484	20.438	ug/l #	72
42) 1,2-Dichloroethane	8.322	62	102967	19.677	ug/l	91
43) Isopropyl Acetate	8.357	43	135737	19.782	ug/l #	81
44) Trichloroethene	9.028	130	74930	18.515	ug/l	72
45) 1,2-Dichloropropane	9.304	63	97563	20.058	ug/l	95
46) Dibromomethane	9.393	93	43817	18.719	ug/l	91
47) Bromodichloromethane	9.587	83	121539	19.644	ug/l	99
48) Methyl methacrylate	9.381	41	61552	18.792	ug/l #	65
49) 1,4-Dioxane	9.381	88	9820	390.416	ug/l #	59
51) 4-Methyl-2-Pentanone	10.157	43	337322	99.875	ug/l #	81
52) Toluene	10.334	92	193633	19.225	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	130818	19.968	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	149913	19.885	ug/l #	79
55) 1,1,2-Trichloroethane	10.734	97	62332	19.959	ug/l	95
56) Ethyl methacrylate	10.598	69	91891	19.790	ug/l #	61
57) 1,3-Dichloropropane	10.881	76	117242	20.085	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	205527	88.413	ug/l #	84
59) 2-Hexanone	10.922	43	255994	102.889	ug/l	77
60) Dibromochloromethane	11.075	129	73864	19.669	ug/l	99
61) 1,2-Dibromoethane	11.181	107	56693	19.169	ug/l	99
64) Tetrachloroethene	10.810	164	59308	18.711	ug/l	91
65) Chlorobenzene	11.610	112	203429	19.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	77601	19.688	ug/l	96
67) Ethyl Benzene	11.687	91	401665	20.014	ug/l	93
68) m/p-Xylenes	11.792	106	286662	39.556	ug/l	79
69) o-Xylene	12.122	106	138663	19.976	ug/l	81
70) Styrene	12.134	104	235195	19.640	ug/l #	89
71) Bromoform	12.298	173	44026	20.148	ug/l #	98
73) Isopropylbenzene	12.422	105	372131	20.086	ug/l	95
74) N-amyl acetate	12.234	43	131782	20.082	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	76137	20.965	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	53440m	19.323	ug/l	
77) Bromobenzene	12.704	156	78915	19.352	ug/l	71
78) n-propylbenzene	12.763	91	474241	20.160	ug/l	93
79) 2-Chlorotoluene	12.851	91	265414	19.927	ug/l	86
80) 1,3,5-Trimethylbenzene	12.904	105	307805	19.800	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	28844	20.146	ug/l	85
82) 4-Chlorotoluene	12.945	91	280526	20.220	ug/l	87
83) tert-Butylbenzene	13.169	119	263482	20.159	ug/l	88
84) 1,2,4-Trimethylbenzene	13.210	105	303381	19.646	ug/l	91
85) sec-Butylbenzene	13.345	105	407338	20.369	ug/l	93
86) p-Isopropyltoluene	13.463	119	325013	19.995	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	158356	19.755	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	160097	19.990	ug/l	96
89) n-Butylbenzene	13.786	91	345416	20.445	ug/l	97
90) Hexachloroethane	14.057	117	67418	20.268	ug/l	92
91) 1,2-Dichlorobenzene	13.833	146	136159	19.328	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	12204	19.947	ug/l	78
93) 1,2,4-Trichlorobenzene	15.098	180	93618	19.344	ug/l	99
94) Hexachlorobutadiene	15.204	225	51222	19.622	ug/l	100
95) Naphthalene	15.333	128	179672	19.462	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	79652	19.067	ug/l	99

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

