

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077450.D
 Acq On : 30 Oct 2023 16:54
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 04:29:24 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	283396	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	515161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	457373	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	206801	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	215139	53.686	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.380%	
35) Dibromofluoromethane	7.805	113	183157	51.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.880%	
50) Toluene-d8	10.269	98	717210	51.858	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.720%	
62) 4-Bromofluorobenzene	12.575	95	237181	50.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.840%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	117608	51.467	ug/l	99
3) Chloromethane	2.152	50	224078	61.765	ug/l	98
4) Vinyl Chloride	2.287	62	219139	61.943	ug/l	97
5) Bromomethane	2.699	94	110637	59.681	ug/l	98
6) Chloroethane	2.840	64	145116	60.925	ug/l	100
7) Trichlorofluoromethane	3.181	101	277434	55.999	ug/l	99
8) Diethyl Ether	3.593	74	100544	56.458	ug/l #	50
9) 1,1,2-Trichlorotrifluo...	3.975	101	162928	54.475	ug/l	94
10) Methyl Iodide	4.164	142	187435	49.647	ug/l #	89
11) Tert butyl alcohol	5.046	59	73769	232.390	ug/l	99
12) 1,1-Dichloroethene	3.946	96	160676	56.746	ug/l #	67
13) Acrolein	3.799	56	93609	223.622	ug/l	97
14) Allyl chloride	4.564	41	399436	58.477	ug/l #	82
15) Acrylonitrile	5.252	53	259684	269.747	ug/l	98
16) Acetone	4.022	43	262549	247.595	ug/l #	78
17) Carbon Disulfide	4.269	76	486181	55.240	ug/l	100
18) Methyl Acetate	4.564	43	219184	56.667	ug/l #	76
19) Methyl tert-butyl Ether	5.316	73	488248	54.934	ug/l #	91
20) Methylene Chloride	4.799	84	241745	61.183	ug/l #	63
21) trans-1,2-Dichloroethene	5.316	96	189816	57.561	ug/l #	75
22) Diisopropyl ether	6.216	45	824473	56.791	ug/l #	88
23) Vinyl Acetate	6.152	43	1647613m	263.064	ug/l	
24) 1,1-Dichloroethane	6.111	63	427410	56.739	ug/l	93
25) 2-Butanone	7.081	43	358076	253.164	ug/l #	73
26) 2,2-Dichloropropane	7.075	77	346168	51.854	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	230445	56.407	ug/l	70
28) Bromochloromethane	7.422	49	255680	73.820	ug/l #	54
29) Tetrahydrofuran	7.446	42	227102	270.725	ug/l #	69
30) Chloroform	7.599	83	391930	55.723	ug/l	97
31) Cyclohexane	7.875	56	352211	56.224	ug/l #	75
32) 1,1,1-Trichloroethane	7.793	97	322715	55.688	ug/l	95
36) 1,1-Dichloropropene	8.005	75	292326	55.374	ug/l	91
37) Ethyl Acetate	7.169	43	160004	52.813	ug/l #	89
38) Carbon Tetrachloride	7.993	117	264807	53.231	ug/l	96
39) Methylcyclohexane	9.275	83	335861	55.759	ug/l #	81
40) Benzene	8.252	78	843447	56.030	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	111520	57.528	ug/l #	71
42) 1,2-Dichloroethane	8.328	62	258943	54.310	ug/l	90
43) Isopropyl Acetate	8.357	43	333034	53.268	ug/l #	79
44) Trichloroethene	9.028	130	199821	54.190	ug/l	84
45) 1,2-Dichloropropane	9.304	63	242636	54.748	ug/l	97
46) Dibromomethane	9.393	93	111288	52.179	ug/l	90
47) Bromodichloromethane	9.581	83	301067	53.406	ug/l	98
48) Methyl methacrylate	9.375	41	162342	54.397	ug/l #	63
49) 1,4-Dioxane	9.381	88	22780	993.992	ug/l #	56
51) 4-Methyl-2-Pentanone	10.157	43	800235	260.041	ug/l #	81
52) Toluene	10.334	92	499822	54.465	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	318232	53.312	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	369239	53.752	ug/l #	71
55) 1,1,2-Trichloroethane	10.734	97	147029	51.670	ug/l	94
56) Ethyl methacrylate	10.599	69	227410	53.751	ug/l #	60
57) 1,3-Dichloropropane	10.881	76	281609	52.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	606372	286.286	ug/l #	84
59) 2-Hexanone	10.922	43	564083	248.826	ug/l	77
60) Dibromochloromethane	11.075	129	179930	52.586	ug/l	97
61) 1,2-Dibromoethane	11.181	107	139850	51.898	ug/l	98
64) Tetrachloroethene	10.810	164	162456	55.790	ug/l	94
65) Chlorobenzene	11.610	112	513873	53.629	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	189785	52.413	ug/l	96
67) Ethyl Benzene	11.681	91	999445	54.210	ug/l	93
68) m/p-Xylenes	11.793	106	717144	107.718	ug/l	79
69) o-Xylene	12.122	106	342257	53.670	ug/l	77
70) Styrene	12.134	104	590240	53.652	ug/l #	90
71) Bromoform	12.304	173	100785	50.205	ug/l #	98
73) Isopropylbenzene	12.422	105	899754	53.364	ug/l	93
74) N-amyl acetate	12.234	43	310929	52.063	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.675	83	170770	51.669	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	130359m	51.792	ug/l	
77) Bromobenzene	12.698	156	196070	52.831	ug/l	70
78) n-propylbenzene	12.763	91	1142710	53.376	ug/l	92
79) 2-Chlorotoluene	12.851	91	643955	53.124	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	755488	53.401	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.469	75	64939	49.837	ug/l #	83
82) 4-Chlorotoluene	12.945	91	665840	52.734	ug/l	88
83) tert-Butylbenzene	13.169	119	625847	52.616	ug/l	88
84) 1,2,4-Trimethylbenzene	13.210	105	744815	52.998	ug/l	92
85) sec-Butylbenzene	13.345	105	964842	53.015	ug/l	94
86) p-Isopropyltoluene	13.463	119	776182	52.469	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	381695	52.322	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	381060	52.282	ug/l	97
89) n-Butylbenzene	13.787	91	815039	53.009	ug/l	97
90) Hexachloroethane	14.057	117	162836	53.792	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	333699	52.050	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	27588	49.548	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	225899	51.290	ug/l	97
94) Hexachlorobutadiene	15.204	225	122135	51.410	ug/l	100
95) Naphthalene	15.334	128	430708	51.263	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	195633	51.459	ug/l	98

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

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