

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077963.D
 Acq On : 19 Dec 2023 09:52
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

Quant Time: Dec 20 01:58:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	127383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	211300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	197791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	112424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71991	47.961	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.920%		
35) Dibromofluoromethane	7.810	113	76771	51.869	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.740%		
50) Toluene-d8	10.269	98	303661	51.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.460%		
62) 4-Bromofluorobenzene	12.575	95	92440	52.158	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	63789	40.088	ug/l	99
3) Chloromethane	2.152	50	101384	46.743	ug/l	94
4) Vinyl Chloride	2.287	62	149406	50.741	ug/l	99
5) Bromomethane	2.699	94	115110	69.670	ug/l	97
6) Chloroethane	2.840	64	108990	54.293	ug/l	100
7) Trichlorofluoromethane	3.181	101	132915	49.013	ug/l	100
8) Diethyl Ether	3.599	74	38309	50.308	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	82464	53.154	ug/l	98
10) Methyl Iodide	4.169	142	72086	52.609	ug/l	90
11) Tert butyl alcohol	5.040	59	18830	260.998	ug/l #	90
12) 1,1-Dichloroethene	3.946	96	74448	48.621	ug/l #	83
13) Acrolein	3.805	56	23855	150.239	ug/l	98
14) Allyl chloride	4.569	41	96234	45.697	ug/l	90
15) Acrylonitrile	5.258	53	84197	258.244	ug/l	97
16) Acetone	4.028	43	95346	300.258	ug/l #	86
17) Carbon Disulfide	4.281	76	219707	42.412	ug/l	97
18) Methyl Acetate	4.569	43	66342	56.120	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	173786	53.495	ug/l	95
20) Methylene Chloride	4.805	84	91102	51.383	ug/l #	86
21) trans-1,2-Dichloroethene	5.322	96	90587	52.232	ug/l	91
22) Diisopropyl ether	6.222	45	220280	50.055	ug/l	95
23) Vinyl Acetate	6.157	43	506988	235.910	ug/l #	92
24) 1,1-Dichloroethane	6.116	63	152601	51.205	ug/l	95
25) 2-Butanone	7.081	43	114125	278.294	ug/l	90
26) 2,2-Dichloropropane	7.081	77	131496	52.552	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	102624	54.992	ug/l	93
28) Bromochloromethane	7.428	49	62720	52.083	ug/l	82
29) Tetrahydrofuran	7.452	42	58949	246.624	ug/l	92
30) Chloroform	7.599	83	162076	54.339	ug/l	96
31) Cyclohexane	7.881	56	120816	45.252	ug/l	91
32) 1,1,1-Trichloroethane	7.799	97	141532	53.827	ug/l	98
36) 1,1-Dichloropropene	8.010	75	122048	51.552	ug/l	97
37) Ethyl Acetate	7.175	43	38522	41.730	ug/l	98
38) Carbon Tetrachloride	7.993	117	126368	53.541	ug/l	89
39) Methylcyclohexane	9.275	83	144466	51.473	ug/l	95
40) Benzene	8.251	78	355175	52.858	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	25653	54.675	ug/l	88
42) 1,2-Dichloroethane	8.334	62	93918	53.921	ug/l	95
43) Isopropyl Acetate	8.363	43	81924	49.924	ug/l	95
44) Trichloroethene	9.028	130	92517	52.835	ug/l	95
45) 1,2-Dichloropropane	9.304	63	90969	55.691	ug/l	93
46) Dibromomethane	9.398	93	50664	58.619	ug/l	92
47) Bromodichloromethane	9.587	83	125284	57.190	ug/l	98
48) Methyl methacrylate	9.381	41	46431	49.775	ug/l	84
49) 1,4-Dioxane	9.387	88	9810	1143.075	ug/l #	84
51) 4-Methyl-2-Pentanone	10.163	43	214712	256.375	ug/l	94
52) Toluene	10.334	92	229543	55.072	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	116805	55.524	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	139737	54.940	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	68086	57.592	ug/l	98
56) Ethyl methacrylate	10.598	69	57107	54.797	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	112970	55.437	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	109311	183.927	ug/l	97
59) 2-Hexanone	10.922	43	167037	240.402	ug/l	92
60) Dibromochloromethane	11.075	129	85736	60.235	ug/l	96
61) 1,2-Dibromoethane	11.181	107	63450	57.016	ug/l	100
64) Tetrachloroethene	10.810	164	77401	53.243	ug/l	91
65) Chlorobenzene	11.610	112	249090	53.556	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	93255	56.698	ug/l	97
67) Ethyl Benzene	11.687	91	460157	55.881	ug/l	96
68) m/p-Xylenes	11.792	106	356727	113.254	ug/l	93
69) o-Xylene	12.122	106	161192	55.528	ug/l	90
70) Styrene	12.134	104	252184	58.423	ug/l	94
71) Bromoform	12.298	173	50529	58.796	ug/l #	99
73) Isopropylbenzene	12.422	105	441509	51.816	ug/l	98
74) N-amyl acetate	12.234	43	74424	44.434	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	77066	51.872	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	57609m	59.001	ug/l	
77) Bromobenzene	12.704	156	103136	51.460	ug/l	93
78) n-propylbenzene	12.763	91	537120	51.732	ug/l	96
79) 2-Chlorotoluene	12.851	91	286388	51.469	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	374266	52.664	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	23854	49.498	ug/l	94
82) 4-Chlorotoluene	12.951	91	307011	52.778	ug/l	97
83) tert-Butylbenzene	13.169	119	320536	53.426	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	379822	53.436	ug/l	98
85) sec-Butylbenzene	13.345	105	483932	54.568	ug/l	96
86) p-Isopropyltoluene	13.463	119	437245	55.068	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	223019	54.414	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	218392	53.497	ug/l	99
89) n-Butylbenzene	13.792	91	404171	54.097	ug/l	98
90) Hexachloroethane	14.057	117	83986	57.515	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	188536	54.088	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11383	52.949	ug/l	96
93) 1,2,4-Trichlorobenzene	15.104	180	118147	49.622	ug/l	98
94) Hexachlorobutadiene	15.204	225	67741	52.762	ug/l	98
95) Naphthalene	15.333	128	210332	53.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	101166	51.540	ug/l	97

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

