

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111521\
 Data File : VD071022.D
 Acq On : 15 Nov 2021 12:01
 Operator : VA/SY
 Sample : VD1115SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS01

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 14:35:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	253614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	429786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	382653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	178503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	133002	49.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.520%		
35) Dibromofluoromethane	7.914	113	124789	51.455	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.920%		
50) Toluene-d8	10.338	98	463017	48.751	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.626	95	163025	47.672	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	44207	20.402	ug/l	94
3) Chloromethane	2.209	50	56664	21.977	ug/l	96
4) Vinyl Chloride	2.350	62	59579	24.027	ug/l	93
5) Bromomethane	2.768	94	39709	23.494	ug/l	96
6) Chloroethane	2.921	64	38445	24.140	ug/l	100
7) Trichlorofluoromethane	3.273	101	79292	19.869	ug/l	95
8) Diethyl Ether	3.709	74	20827	15.769	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.103	101	45315	18.421	ug/l	96
10) Methyl Iodide	4.303	142	38586	17.560	ug/l	98
11) Tert butyl alcohol	5.209	59	22186	112.424	ug/l #	81
12) 1,1-Dichloroethene	4.068	96	42397	17.605	ug/l	88
13) Acrolein	3.921	56	4041	62.988	ug/l	92
14) Allyl chloride	4.715	41	81609	16.269	ug/l #	82
15) Acrylonitrile	5.415	53	48644	76.969	ug/l	97
16) Acetone	4.150	43	45024	76.650	ug/l	92
17) Carbon Disulfide	4.415	76	131320	16.888	ug/l	98
18) Methyl Acetate	4.720	43	37620	16.239	ug/l #	89
19) Methyl tert-butyl Ether	5.473	73	98030	15.768	ug/l	98
20) Methylene Chloride	4.962	84	55036	17.652	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	48337	17.511	ug/l	93
22) Diisopropyl ether	6.362	45	158999	15.944	ug/l	93
23) Vinyl Acetate	6.309	43	360584	83.040	ug/l	96
24) 1,1-Dichloroethane	6.262	63	94201	17.686	ug/l	98
25) 2-Butanone	7.209	43	63311	82.077	ug/l	93
26) 2,2-Dichloropropane	7.209	77	81779	18.192	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	52987	16.793	ug/l	91
28) Bromochloromethane	7.550	49	42794	18.942	ug/l	87
29) Tetrahydrofuran	7.567	42	40200	73.272	ug/l	92
30) Chloroform	7.709	83	92147	18.196	ug/l	89
31) Cyclohexane	7.985	56	92091	16.584	ug/l #	94
32) 1,1,1-Trichloroethane	7.903	97	80876	18.595	ug/l	95
36) 1,1-Dichloropropene	8.108	75	71749	18.698	ug/l	97
37) Ethyl Acetate	7.285	43	26822	15.320	ug/l	95
38) Carbon Tetrachloride	8.097	117	68503	19.385	ug/l	99
39) Methylcyclohexane	9.355	83	88917	17.941	ug/l	99
40) Benzene	8.350	78	193883	17.941	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	13384	13.198	ug/l	89
42) 1,2-Dichloroethane	8.420	62	55827	18.239	ug/l	95
43) Isopropyl Acetate	8.450	43	58076	15.674	ug/l	91
44) Trichloroethene	9.108	130	48908	17.558	ug/l	89
45) 1,2-Dichloropropane	9.385	63	50111	17.146	ug/l	95
46) Dibromomethane	9.467	93	24791	17.821	ug/l	94
47) Bromodichloromethane	9.661	83	66013	17.941	ug/l	97
48) Methyl methacrylate	9.450	41	28240	15.537	ug/l #	81
49) 1,4-Dioxane	9.456	88	4803	297.993	ug/l #	83
51) 4-Methyl-2-Pentanone	10.226	43	141261	78.639	ug/l	90
52) Toluene	10.403	92	120498	17.689	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	62153	16.751	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	73852	16.879	ug/l #	77
55) 1,1,2-Trichloroethane	10.797	97	33235	17.383	ug/l	95
56) Ethyl methacrylate	10.661	69	40627	15.018	ug/l #	70
57) 1,3-Dichloropropane	10.938	76	58765	16.925	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	131406	93.438	ug/l	99
59) 2-Hexanone	10.979	43	97699	81.053	ug/l	89
60) Dibromochloromethane	11.132	129	39855	17.376	ug/l	100
61) 1,2-Dibromoethane	11.244	107	31689	17.039	ug/l	100
64) Tetrachloroethene	10.873	164	43430	19.464	ug/l	97
65) Chlorobenzene	11.661	112	123251	18.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	43872	18.104	ug/l	97
67) Ethyl Benzene	11.738	91	231464	17.902	ug/l	97
68) m/p-Xylenes	11.844	106	170655	35.315	ug/l	93
69) o-Xylene	12.173	106	81598	17.752	ug/l	97
70) Styrene	12.191	104	139148	17.879	ug/l	97
71) Bromoform	12.355	173	20746	16.417	ug/l #	97
73) Isopropylbenzene	12.473	105	222938	17.336	ug/l	100
74) N-amyl acetate	12.279	43	52954	14.414	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	34822	15.732	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	25311m	16.600	ug/l	
77) Bromobenzene	12.749	156	47413	17.256	ug/l	98
78) n-propylbenzene	12.814	91	274352	17.218	ug/l	99
79) 2-Chlorotoluene	12.896	91	154621	17.019	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	181174	17.111	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	10461	15.684	ug/l #	78
82) 4-Chlorotoluene	12.996	91	158336	16.886	ug/l	99
83) tert-Butylbenzene	13.214	119	151816	16.645	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	178045	17.170	ug/l	99
85) sec-Butylbenzene	13.391	105	236273	17.231	ug/l	99
86) p-Isopropyltoluene	13.508	119	196684	17.863	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	94844	17.655	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	94085	17.492	ug/l	97
89) n-Butylbenzene	13.832	91	193890	17.522	ug/l	98
90) Hexachloroethane	14.096	117	36877	16.925	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	81391	17.485	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	5206	14.341	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	49779	16.714	ug/l	99
94) Hexachlorobutadiene	15.249	225	28207	18.779	ug/l	98
95) Naphthalene	15.385	128	87008	15.300	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	41399	16.532	ug/l	96

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

