

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100521\
 Data File : VD070565.D
 Acq On : 05 Oct 2021 11:32
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 10/06/2021
 Supervised By :Mahesh Dadoda 10/07/2021

Quant Time: Oct 06 08:33:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 08:30:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	336775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	624642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	581654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	274734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	40655	10.26	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.52%#
35) Dibromofluoromethane	7.914	113	40173	9.67	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.34%#
50) Toluene-d8	10.338	98	144604	9.11	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	18.22%#
62) 4-Bromofluorobenzene	12.626	95	49008	9.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	18.48%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	44347	10.80	ug/l	91
3) Chloromethane	2.209	50	53465	10.48	ug/l	90
4) Vinyl Chloride	2.350	62	57818	10.23	ug/l	93
5) Bromomethane	2.768	94	41810	10.85	ug/l	92
6) Chloroethane	2.926	64	38356	10.63	ug/l	94
7) Trichlorofluoromethane	3.273	101	76554	10.45	ug/l	99
8) Diethyl Ether	3.715	74	18108	9.50	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	46582	10.49	ug/l	98
10) Methyl Iodide	4.297	142	33849	8.21	ug/l	100
11) Tert butyl alcohol	5.220	59	10058	51.12	ug/l	98
12) 1,1-Dichloroethene	4.068	96	39863	10.09	ug/l	91
13) Acrolein	3.926	56	9697	51.44	ug/l	92
14) Allyl chloride	4.720	41	52463	9.54	ug/l	98
15) Acrylonitrile	5.415	53	42290	51.15	ug/l	96
16) Acetone	4.156	43	31976	47.51	ug/l	98
17) Carbon Disulfide	4.409	76	150958	10.46	ug/l	97
18) Methyl Acetate	4.720	43	26129	10.06	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	73551	9.34	ug/l	97
20) Methylene Chloride	4.967	84	71485	11.38	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	46374	9.98	ug/l	96
22) Diisopropyl ether	6.362	45	104997	9.29	ug/l	98
23) Vinyl Acetate	6.309	43	224934	45.01	ug/l	97
24) 1,1-Dichloroethane	6.267	63	86858	10.43	ug/l	99
25) 2-Butanone	7.209	43	42739	48.50	ug/l	92
26) 2,2-Dichloropropane	7.203	77	68881	10.00	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	48803	9.99	ug/l	97
28) Bromochloromethane	7.544	49	27975	9.65	ug/l	96
29) Tetrahydrofuran	7.561	42	27231	47.94	ug/l	93
30) Chloroform	7.708	83	91016	10.51	ug/l	94
31) Cyclohexane	7.979	56	72553	9.89	ug/l #	95
32) 1,1,1-Trichloroethane	7.903	97	76147	10.21	ug/l	99
36) 1,1-Dichloropropene	8.108	75	63155	9.52	ug/l	98
37) Ethyl Acetate	7.291	43	21070	9.56	ug/l	99
38) Carbon Tetrachloride	8.091	117	69279	9.98	ug/l	96
39) Methylcyclohexane	9.355	83	67439	8.84	ug/l	90
40) Benzene	8.350	78	190023	9.72	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	9840	8.66	ug/l	95
42) 1,2-Dichloroethane	8.420	62	52116	10.31	ug/l	98
43) Isopropyl Acetate	8.450	43	37159	9.20	ug/l	94
44) Trichloroethene	9.108	130	47684	9.89	ug/l	96
45) 1,2-Dichloropropane	9.385	63	48551	9.73	ug/l	96
46) Dibromomethane	9.467	93	25459	9.94	ug/l	96
47) Bromodichloromethane	9.655	83	65061	9.84	ug/l	94
48) Methyl methacrylate	9.455	41	17911	9.46	ug/l	97
49) 1,4-Dioxane	9.455	88	4930	189.43	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	95653	45.91	ug/l	97
52) Toluene	10.402	92	111707	9.30	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	54196	9.37	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	66426	9.54	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	35404	10.15	ug/l	96
56) Ethyl methacrylate	10.655	69	31503	8.45	ug/l	96
57) 1,3-Dichloropropane	10.938	76	57769	9.73	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	75370	44.83	ug/l	99
59) 2-Hexanone	10.979	43	62314	44.19	ug/l	94
60) Dibromochloromethane	11.132	129	43113	10.26	ug/l	98
61) 1,2-Dibromoethane	11.244	107	32084	9.88	ug/l	100
64) Tetrachloroethene	10.873	164	38176	10.24	ug/l	91
65) Chlorobenzene	11.661	112	125096	10.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	46672	10.12	ug/l	97
67) Ethyl Benzene	11.738	91	193648	9.05	ug/l	99
68) m/p-Xylenes	11.849	106	157584	18.70	ug/l	99
69) o-Xylene	12.173	106	68212	9.10	ug/l	99
70) Styrene	12.185	104	119719	9.06	ug/l	99
71) Bromoform	12.355	173	22312	10.30	ug/l #	99
73) Isopropylbenzene	12.473	105	174704	8.72	ug/l	99
74) N-amyl acetate	12.279	43	33006	8.74	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	40502	10.34	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	25331m	15.49	ug/l	
77) Bromobenzene	12.749	156	42217	9.43	ug/l	99
78) n-propylbenzene	12.814	91	225507	8.90	ug/l	99
79) 2-Chlorotoluene	12.896	91	138314	9.30	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	151306	8.86	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	10143	9.06	ug/l	95
82) 4-Chlorotoluene	12.996	91	146373	9.42	ug/l	99
83) tert-Butylbenzene	13.214	119	122976	8.71	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	150835	8.87	ug/l	99
85) sec-Butylbenzene	13.391	105	196252	8.97	ug/l	100
86) p-Isopropyltoluene	13.502	119	154618	8.65	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	90774	9.65	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	93221	10.00	ug/l	98
89) n-Butylbenzene	13.832	91	150332	8.81	ug/l	96
90) Hexachloroethane	14.096	117	36920	9.55	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	80224	10.01	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.491	75	5612	9.93	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	38087	8.82	ug/l	99
94) Hexachlorobutadiene	15.249	225	26390	9.67	ug/l	99
95) Naphthalene	15.385	128	65807	8.44	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	33457	8.80	ug/l	99

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

