

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071242.D
 Acq On : 10 Dec 2021 10:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/12/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 10 15:22:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	241991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	402747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	370041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	179917	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	129861	45.73	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.46%		
35) Dibromofluoromethane	7.908	113	125860	49.07	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.14%		
50) Toluene-d8	10.332	98	433659	44.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.86%		
62) 4-Bromofluorobenzene	12.626	95	160020	47.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	90293	43.75	ug/l	94
3) Chloromethane	2.215	50	136005	49.82	ug/l	98
4) Vinyl Chloride	2.356	62	164744	54.09	ug/l	98
5) Bromomethane	2.773	94	118403	53.93	ug/l	91
6) Chloroethane	2.932	64	118805	56.71	ug/l	94
7) Trichlorofluoromethane	3.285	101	214667	52.03	ug/l	100
8) Diethyl Ether	3.709	74	57295	51.22	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.103	101	130578	53.64	ug/l	95
10) Methyl Iodide	4.303	142	126170	45.08	ug/l	94
11) Tert butyl alcohol	5.209	59	54075	307.56	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	111621	49.69	ug/l	85
13) Acrolein	3.920	56	54797	282.40	ug/l	94
14) Allyl chloride	4.715	41	228554	53.56	ug/l #	81
15) Acrylonitrile	5.420	53	153389	281.96	ug/l	95
16) Acetone	4.150	43	189689	251.39	ug/l #	84
17) Carbon Disulfide	4.415	76	301318	45.81	ug/l	99
18) Methyl Acetate	4.720	43	111459	53.20	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	292963	53.21	ug/l	100
20) Methylene Chloride	4.967	84	145250	50.76	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	131523	52.01	ug/l	88
22) Diisopropyl ether	6.362	45	481318	56.30	ug/l	96
23) Vinyl Acetate	6.303	43	1128424	244.72	ug/l	97
24) 1,1-Dichloroethane	6.267	63	271509	55.21	ug/l	98
25) 2-Butanone	7.209	43	209778	241.93	ug/l	92
26) 2,2-Dichloropropane	7.209	77	228136	51.02	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	157397	55.02	ug/l	93
28) Bromochloromethane	7.550	49	114884	53.79	ug/l	88
29) Tetrahydrofuran	7.556	42	124138	275.32	ug/l	91
30) Chloroform	7.708	83	276403	56.01	ug/l	100
31) Cyclohexane	7.985	56	227799	47.16	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	239719	54.10	ug/l #	93
36) 1,1-Dichloropropene	8.108	75	202973	53.92	ug/l	97
37) Ethyl Acetate	7.285	43	88485	54.42	ug/l	95
38) Carbon Tetrachloride	8.097	117	207007	55.79	ug/l	97
39) Methylcyclohexane	9.355	83	224688	49.63	ug/l	98
40) Benzene	8.350	78	558420	54.62	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	53154	63.70	ug/l #	78
42) 1,2-Dichloroethane	8.420	62	180673	57.89	ug/l	94
43) Isopropyl Acetate	8.450	43	176472	49.39	ug/l	90
44) Trichloroethene	9.108	130	142449	52.25	ug/l	94
45) 1,2-Dichloropropane	9.385	63	151550	56.36	ug/l	99
46) Dibromomethane	9.473	93	77336	55.44	ug/l	94
47) Bromodichloromethane	9.655	83	209727	56.85	ug/l	100
48) Methyl methacrylate	9.450	41	88806	55.80	ug/l #	78
49) 1,4-Dioxane	9.455	88	16169	1200.69	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	459678	250.62	ug/l	92
52) Toluene	10.397	92	355847	54.85	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	187780	55.36	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	223569	55.49	ug/l #	81
55) 1,1,2-Trichloroethane	10.797	97	104533	57.12	ug/l	93
56) Ethyl methacrylate	10.655	69	125828	48.03	ug/l #	71
57) 1,3-Dichloropropane	10.938	76	184654	57.44	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	328722	263.96	ug/l	99
59) 2-Hexanone	10.979	43	330156	240.50	ug/l	90
60) Dibromochloromethane	11.132	129	133879	58.86	ug/l	98
61) 1,2-Dibromoethane	11.238	107	99576	56.65	ug/l	97
64) Tetrachloroethene	10.873	164	118777	50.56	ug/l	96
65) Chlorobenzene	11.667	112	376862	54.89	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	136613	54.50	ug/l	98
67) Ethyl Benzene	11.738	91	702839	54.38	ug/l	100
68) m/p-Xylenes	11.849	106	531850	108.99	ug/l	96
69) o-Xylene	12.173	106	250886	54.70	ug/l	96
70) Styrene	12.185	104	434335	56.19	ug/l	97
71) Bromoform	12.349	173	74992	57.74	ug/l #	98
73) Isopropylbenzene	12.473	105	683072	52.43	ug/l	100
74) N-amyl acetate	12.279	43	160105	45.47	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	113552	52.93	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	100037m	58.36	ug/l	
77) Bromobenzene	12.749	156	146008	51.74	ug/l	97
78) n-propylbenzene	12.814	91	855243	52.72	ug/l	100
79) 2-Chlorotoluene	12.896	91	470738	51.70	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	561539	52.27	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	33221	45.87	ug/l #	75
82) 4-Chlorotoluene	12.996	91	493196	52.17	ug/l	99
83) tert-Butylbenzene	13.214	119	491853	53.31	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	561356	53.52	ug/l	98
85) sec-Butylbenzene	13.391	105	747792	53.07	ug/l	99
86) p-Isopropyltoluene	13.508	119	618289	53.65	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	298235	53.09	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	293944	52.82	ug/l	98
89) n-Butylbenzene	13.832	91	608531	54.09	ug/l	98
90) Hexachloroethane	14.102	117	120523	55.17	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	255479	53.48	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	17172	49.15	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	153202	51.42	ug/l	99
94) Hexachlorobutadiene	15.249	225	86961	51.58	ug/l	98
95) Naphthalene	15.385	128	277707	52.87	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	131337	51.90	ug/l	97

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

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