

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081822\
 Data File : VD074139.D
 Acq On : 18 Aug 2022 18:40
 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 : Semsettin Yesilyurt 08/23/2022
 Supervised By : Mahesh Dadoda 08/23/2022

Quant Time: Aug 18 21:48:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 18 21:46:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	174567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	310838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	284585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	134989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	23691	15.101	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	30.200%#		
35) Dibromofluoromethane	7.908	113	22229	11.543	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.080%#		
50) Toluene-d8	10.326	98	76681	13.118	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	26.240%#		
62) 4-Bromofluorobenzene	12.620	95	26954	11.104	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	22.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	23017	13.253	ug/l	91
3) Chloromethane	2.208	50	17725	9.262	ug/l	96
4) Vinyl Chloride	2.344	62	15833	6.524	ug/l	89
5) Bromomethane	2.755	94	9176	4.797	ug/l	81
6) Chloroethane	2.914	64	10137	5.049	ug/l	92
7) Trichlorofluoromethane	3.261	101	36676	9.975	ug/l	100
8) Diethyl Ether	3.702	74	9399	11.638	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.073	101	21758	10.914	ug/l	98
10) Methyl Iodide	4.291	142	22397	12.163	ug/l	99
11) Tert butyl alcohol	5.220	59	8238	70.817	ug/l #	89
12) 1,1-Dichloroethene	4.061	96	19617	11.774	ug/l	85
13) Acrolein	3.920	56	9519	87.515	ug/l	96
14) Allyl chloride	4.702	41	32297	14.602	ug/l	95
15) Acrylonitrile	5.420	53	24105	73.469	ug/l	97
16) Acetone	4.161	43	22019	64.427	ug/l	100
17) Carbon Disulfide	4.397	76	69063	15.597	ug/l	100
18) Methyl Acetate	4.708	43	12189	13.622	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	43093	11.789	ug/l	95
20) Methylene Chloride	4.955	84	49525	18.447	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	22834	12.474	ug/l	89
22) Diisopropyl ether	6.355	45	61901	13.147	ug/l	96
23) Vinyl Acetate	6.302	43	136819	56.561	ug/l #	93
24) 1,1-Dichloroethane	6.255	63	41458	13.055	ug/l	96
25) 2-Butanone	7.202	43	32866	70.071	ug/l	93
26) 2,2-Dichloropropane	7.202	77	35753	11.322	ug/l	96
27) cis-1,2-Dichloroethene	7.202	96	23513	11.063	ug/l	96
28) Bromochloromethane	7.538	49	14086	12.313	ug/l	90
29) Tetrahydrofuran	7.555	42	19887	75.052	ug/l	98
30) Chloroform	7.696	83	44160	12.134	ug/l	91
31) Cyclohexane	7.979	56	38408	14.001	ug/l #	82
32) 1,1,1-Trichloroethane	7.896	97	36905	10.918	ug/l	99
36) 1,1-Dichloropropene	8.102	75	32926	11.703	ug/l	97
37) Ethyl Acetate	7.290	43	14543	12.919	ug/l #	78
38) Carbon Tetrachloride	8.085	117	30855	9.812	ug/l	93
39) Methylcyclohexane	9.343	83	35492	11.348	ug/l	97
40) Benzene	8.343	78	89441	11.247	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	7067m	12.193	ug/l	
42) 1,2-Dichloroethane	8.414	62	26344	11.093	ug/l	93
43) Isopropyl Acetate	8.449	43	26757	12.854	ug/l #	88
44) Trichloroethene	9.102	130	24435	10.688	ug/l	92
45) 1,2-Dichloropropane	9.379	63	22903	11.862	ug/l	99
46) Dibromomethane	9.467	93	13398	11.220	ug/l	99
47) Bromodichloromethane	9.649	83	32232	10.514	ug/l	89
48) Methyl methacrylate	9.449	41	13006	13.476	ug/l	98
49) 1,4-Dioxane	9.449	88	2701	227.480	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	69572	65.150	ug/l	100
52) Toluene	10.390	92	53408	10.417	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	27137	10.307	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	34700	11.264	ug/l	98
55) 1,1,2-Trichloroethane	10.790	97	16775	10.604	ug/l	94
56) Ethyl methacrylate	10.649	69	19146	11.568	ug/l #	89
57) 1,3-Dichloropropane	10.937	76	29738	11.628	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.926	63	28719	47.876	ug/l	99
59) 2-Hexanone	10.973	43	44598	61.824	ug/l	100
60) Dibromochloromethane	11.131	129	21509	10.166	ug/l	95
61) 1,2-Dibromoethane	11.237	107	16364	10.641	ug/l	97
64) Tetrachloroethene	10.867	164	19569	10.747	ug/l	97
65) Chlorobenzene	11.661	112	61061	10.817	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	20648	9.363	ug/l	93
67) Ethyl Benzene	11.731	91	98654	10.151	ug/l	97
68) m/p-Xylenes	11.843	106	76779	19.786	ug/l	99
69) o-Xylene	12.167	106	35861	10.170	ug/l	97
70) Styrene	12.184	104	61678	10.021	ug/l	97
71) Bromoform	12.343	173	11322	9.953	ug/l #	92
73) Isopropylbenzene	12.467	105	93595	10.387	ug/l	100
74) N-amyl acetate	12.278	43	24639	13.549	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	19847	11.984	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	13376m	10.353	ug/l	
77) Bromobenzene	12.749	156	22750	10.571	ug/l	92
78) n-propylbenzene	12.808	91	115569	10.319	ug/l	99
79) 2-Chlorotoluene	12.890	91	68074	10.679	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	77853	10.145	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	4994	10.598	ug/l	89
82) 4-Chlorotoluene	12.990	91	72665	10.790	ug/l	100
83) tert-Butylbenzene	13.208	119	64714	9.819	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	77830	10.126	ug/l	99
85) sec-Butylbenzene	13.384	105	100014	9.877	ug/l	98
86) p-Isopropyltoluene	13.502	119	81956	9.738	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	45436	10.002	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	46257	10.234	ug/l	96
89) n-Butylbenzene	13.825	91	81580	10.056	ug/l	98
90) Hexachloroethane	14.090	117	16764	9.565	ug/l	92
91) 1,2-Dichlorobenzene	13.872	146	41299	10.236	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.484	75	3472	12.249	ug/l	92
93) 1,2,4-Trichlorobenzene	15.137	180	22334	8.813	ug/l	98
94) Hexachlorobutadiene	15.243	225	11801	7.933	ug/l	96
95) Naphthalene	15.378	128	42573	9.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	19225	8.562	ug/l	99

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

