

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081522\
 Data File : VD074088.D
 Acq On : 15 Aug 2022 10:51
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/16/2022
 Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 15 15:37:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 15:34:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	150632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	249452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	229647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	113167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	15790	8.778	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	17.560%#		
35) Dibromofluoromethane	7.902	113	16990	9.654	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.300%#		
50) Toluene-d8	10.332	98	54997	8.609	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	17.220%#		
62) 4-Bromofluorobenzene	12.620	95	19858	9.041	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.080%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	17909	11.755	ug/l	100
3) Chloromethane	2.209	50	21553	8.525	ug/l	89
4) Vinyl Chloride	2.344	62	26282	7.570	ug/l	97
5) Bromomethane	2.767	94	19807	8.441	ug/l	99
6) Chloroethane	2.920	64	24066	10.284	ug/l	93
7) Trichlorofluoromethane	3.267	101	42356	13.643	ug/l	97
8) Diethyl Ether	3.709	74	6841	8.983	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.091	101	16716	9.704	ug/l	96
10) Methyl Iodide	4.297	142	16585	9.774	ug/l	97
11) Tert butyl alcohol	5.214	59	4437m	33.536	ug/l	
12) 1,1-Dichloroethene	4.062	96	13528	8.838	ug/l	82
13) Acrolein	3.914	56	4043	48.423	ug/l	91
14) Allyl chloride	4.714	41	18153	8.125	ug/l #	84
15) Acrylonitrile	5.414	53	13220	42.533	ug/l	97
16) Acetone	4.150	43	14336	48.572	ug/l	94
17) Carbon Disulfide	4.403	76	41495	8.484	ug/l	99
18) Methyl Acetate	4.720	43	7026	9.115	ug/l #	86
19) Methyl tert-butyl Ether	5.473	73	29223	7.970	ug/l #	88
20) Methylene Chloride	4.956	84	28247	9.618	ug/l #	79
21) trans-1,2-Dichloroethene	5.467	96	16607	9.177	ug/l	84
22) Diisopropyl ether	6.361	45	38577	8.113	ug/l #	92
23) Vinyl Acetate	6.297	43	93502m	36.027	ug/l	
24) 1,1-Dichloroethane	6.256	63	28195	8.978	ug/l	96
25) 2-Butanone	7.208	43	19320	46.118	ug/l	97
26) 2,2-Dichloropropane	7.203	77	28292	10.145	ug/l	80
27) cis-1,2-Dichloroethene	7.203	96	18418	9.041	ug/l	90
28) Bromochloromethane	7.538	49	10085	8.559	ug/l #	69
29) Tetrahydrofuran	7.555	42	10177	40.064	ug/l #	85
30) Chloroform	7.703	83	32620	9.436	ug/l	98
31) Cyclohexane	7.973	56	23452	8.206	ug/l #	66
32) 1,1,1-Trichloroethane	7.897	97	31834	9.899	ug/l	95
36) 1,1-Dichloropropene	8.102	75	22132	8.718	ug/l	96
37) Ethyl Acetate	7.291	43	8761m	9.597	ug/l	
38) Carbon Tetrachloride	8.091	117	25981	8.961	ug/l	96
39) Methylcyclohexane	9.349	83	24038	8.123	ug/l	99
40) Benzene	8.344	78	63374	9.175	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	3773m	6.651	ug/l	
42) 1,2-Dichloroethane	8.414	62	19054	9.013	ug/l	96
43) Isopropyl Acetate	8.450	43	14956	8.198	ug/l #	87
44) Trichloroethene	9.102	130	18618	9.658	ug/l	87
45) 1,2-Dichloropropane	9.385	63	15438	9.247	ug/l	97
46) Dibromomethane	9.467	93	9392	9.274	ug/l	96
47) Bromodichloromethane	9.655	83	24917	9.503	ug/l #	98
48) Methyl methacrylate	9.449	41	6410	7.167	ug/l #	65
49) 1,4-Dioxane	9.455	88	1816	171.386	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	38667	42.397	ug/l	95
52) Toluene	10.391	92	38999	8.389	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	19662	8.494	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	22870	8.539	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	12955	10.057	ug/l #	89
56) Ethyl methacrylate	10.644	69	11516	7.722	ug/l	88
57) 1,3-Dichloropropane	10.938	76	20046	9.150	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	22406	28.097	ug/l	94
59) 2-Hexanone	10.973	43	25909	41.575	ug/l	100
60) Dibromochloromethane	11.126	129	17207	9.860	ug/l	95
61) 1,2-Dibromoethane	11.232	107	11564	8.873	ug/l	93
64) Tetrachloroethene	10.867	164	16366	10.685	ug/l	95
65) Chlorobenzene	11.661	112	46368	9.803	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	17981	10.004	ug/l	96
67) Ethyl Benzene	11.732	91	75010	8.590	ug/l	94
68) m/p-Xylenes	11.843	106	59110	17.318	ug/l	95
69) o-Xylene	12.167	106	25888	8.101	ug/l	96
70) Styrene	12.185	104	46047	8.428	ug/l	94
71) Bromoform	12.343	173	9448	9.714	ug/l #	93
73) Isopropylbenzene	12.467	105	69099	8.062	ug/l	95
74) N-amyl acetate	12.279	43	13086	7.740	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	13565	9.156	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	10831m	8.920	ug/l	
77) Bromobenzene	12.743	156	16963	8.905	ug/l	88
78) n-propylbenzene	12.808	91	89915	8.599	ug/l	99
79) 2-Chlorotoluene	12.890	91	52247	8.907	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	59445	8.228	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.508	75	3480	7.734	ug/l #	85
82) 4-Chlorotoluene	12.990	91	55203	8.899	ug/l	95
83) tert-Butylbenzene	13.208	119	50614	8.193	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	59763	8.304	ug/l	98
85) sec-Butylbenzene	13.385	105	77052	8.272	ug/l	96
86) p-Isopropyltoluene	13.496	119	63588	8.107	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	36509	9.152	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	37883	9.607	ug/l	97
89) n-Butylbenzene	13.826	91	61710	8.286	ug/l	97
90) Hexachloroethane	14.096	117	14097	9.095	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	32066	9.304	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	2471	9.933	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	18909	8.987	ug/l	99
94) Hexachlorobutadiene	15.243	225	11504	10.317	ug/l	98
95) Naphthalene	15.373	128	28793	7.613	ug/l	97
96) 1,2,3-Trichlorobenzene	15.567	180	16091	8.995	ug/l	95

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

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