

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051523\
 Data File : VD076110.D
 Acq On : 15 May 2023 11:22
 Operator : KP/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

Quant Time: May 16 10:00:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 09:59:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	218838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	367983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	342302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	172174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	12461	5.892	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.780%#		
35) Dibromofluoromethane	7.811	113	13535	5.321	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.640%#		
50) Toluene-d8	10.269	98	50175	5.060	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.120%#		
62) 4-Bromofluorobenzene	12.575	95	13087	4.751	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.500%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	10649	5.396	ug/l	98
3) Chloromethane	2.146	50	25067	3.615	ug/l	97
4) Vinyl Chloride	2.281	62	24741	5.812	ug/l	97
5) Bromomethane	2.687	94	17798	6.211	ug/l	96
6) Chloroethane	2.834	64	16725	5.840	ug/l	96
7) Trichlorofluoromethane	3.170	101	21355	5.919	ug/l	98
8) Diethyl Ether	3.599	74	6405	5.398	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.964	101	13278	5.587	ug/l	95
10) Methyl Iodide	4.164	142	10553	4.271	ug/l	89
11) Tert butyl alcohol	5.040	59	2849m	25.465	ug/l	
12) 1,1-Dichloroethene	3.940	96	13200	5.581	ug/l	91
13) Acrolein	3.793	56	6618	24.169	ug/l	89
14) Allyl chloride	4.552	41	12219	5.090	ug/l #	81
15) Acrylonitrile	5.258	53	12143	24.718	ug/l	97
16) Acetone	4.028	43	12388	29.439	ug/l #	80
17) Carbon Disulfide	4.270	76	45639	4.593	ug/l	98
18) Methyl Acetate	4.558	43	7805	5.200	ug/l	95
19) Methyl tert-butyl Ether	5.317	73	21451	4.634	ug/l #	89
20) Methylene Chloride	4.799	84	38337	3.191	ug/l #	75
21) trans-1,2-Dichloroethene	5.311	96	14876	5.457	ug/l #	75
22) Diisopropyl ether	6.216	45	23955	4.299	ug/l #	92
23) Vinyl Acetate	6.158	43	47295	21.480	ug/l #	86
24) 1,1-Dichloroethane	6.117	63	24335	5.538	ug/l #	96
25) 2-Butanone	7.093	43	12650	23.908	ug/l #	82
26) 2,2-Dichloropropane	7.075	77	20145	5.622	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	15195	5.023	ug/l	85
28) Bromochloromethane	7.416	49	8107	5.533	ug/l #	60
29) Tetrahydrofuran	7.446	42	6976	22.620	ug/l #	60
30) Chloroform	7.593	83	26638	5.669	ug/l	88
31) Cyclohexane	7.875	56	17931	5.536	ug/l #	50
32) 1,1,1-Trichloroethane	7.787	97	20539	5.485	ug/l	98
36) 1,1-Dichloropropene	8.005	75	17920	5.217	ug/l	95
37) Ethyl Acetate	7.175	43	5367	4.512	ug/l #	91
38) Carbon Tetrachloride	7.987	117	16075	5.181	ug/l	93
39) Methylcyclohexane	9.269	83	19164	4.846	ug/l	89
40) Benzene	8.246	78	58515	5.298	ug/l	96

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	3160	4.845	ug/l #	60
42) 1,2-Dichloroethane	8.322	62	13906	5.323	ug/l	92
43) Isopropyl Acetate	8.358	43	10506	4.728	ug/l #	93
44) Trichloroethene	9.028	130	16891	5.427	ug/l	88
45) 1,2-Dichloropropane	9.305	63	14489	5.319	ug/l	90
46) Dibromomethane	9.393	93	8404	5.504	ug/l	92
47) Bromodichloromethane	9.581	83	19703	5.369	ug/l #	98
48) Methyl methacrylate	9.381	41	4536	4.612	ug/l #	64
49) 1,4-Dioxane	9.387	88	1455	89.106	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	26094	22.079	ug/l	89
52) Toluene	10.334	92	34308	4.974	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	15699	4.746	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	18905	4.684	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	11514	5.258	ug/l	88
56) Ethyl methacrylate	10.599	69	8922	4.054	ug/l #	72
57) 1,3-Dichloropropane	10.881	76	17693	5.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	22498	21.304	ug/l	96
59) 2-Hexanone	10.922	43	16968	20.359	ug/l	77
60) Dibromochloromethane	11.075	129	12780	5.191	ug/l	97
61) 1,2-Dibromoethane	11.175	107	10256	5.265	ug/l	98
64) Tetrachloroethene	10.810	164	14975	5.689	ug/l	95
65) Chlorobenzene	11.604	112	42303	5.428	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	14101	5.258	ug/l	93
67) Ethyl Benzene	11.681	91	55774	4.479	ug/l	99
68) m/p-Xylenes	11.793	106	45716	8.983	ug/l	91
69) o-Xylene	12.116	106	20775	4.474	ug/l	87
70) Styrene	12.134	104	34205	4.248	ug/l	93
71) Bromoform	12.299	173	8067	5.348	ug/l #	96
73) Isopropylbenzene	12.422	105	50321	4.418	ug/l	97
74) N-amyl acetate	12.234	43	8394	4.138	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.675	83	13008	5.314	ug/l	96
76) 1,2,3-Trichloropropane	12.716	75	8244m	5.668	ug/l	
77) Bromobenzene	12.704	156	15329	5.021	ug/l	86
78) n-propylbenzene	12.763	91	62343	4.398	ug/l	96
79) 2-Chlorotoluene	12.851	91	35529	4.528	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	39107	4.142	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.469	75	3241	4.513	ug/l #	74
82) 4-Chlorotoluene	12.946	91	37295	4.469	ug/l	91
83) tert-Butylbenzene	13.169	119	35429	4.440	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	39736	4.226	ug/l	90
85) sec-Butylbenzene	13.346	105	54437	4.377	ug/l	97
86) p-Isopropyltoluene	13.463	119	44012	4.325	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	31469	5.098	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	31295	5.121	ug/l	92
89) n-Butylbenzene	13.787	91	41513	4.329	ug/l	97
90) Hexachloroethane	14.057	117	11586	5.535	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	27892	5.149	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1644	5.172	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	13764	4.369	ug/l	94
94) Hexachlorobutadiene	15.204	225	7815	4.865	ug/l	98
95) Naphthalene	15.334	128	24441	4.175	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	13068	4.561	ug/l	96

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

