

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051523\
 Data File : VD076111.D
 Acq On : 15 May 2023 12:21
 Operator : KP/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: May 16 10:01:38 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	232345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	387569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	364551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	187793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	24990	11.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.260%#		
35) Dibromofluoromethane	7.804	113	28879	10.780	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.560%#		
50) Toluene-d8	10.269	98	109945	10.528	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.060%#		
62) 4-Bromofluorobenzene	12.569	95	29783	10.267	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.540%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	23938	11.424	ug/l	97
3) Chloromethane	2.146	50	44826	9.422	ug/l	97
4) Vinyl Chloride	2.281	62	49892	11.040	ug/l	97
5) Bromomethane	2.687	94	32409	10.652	ug/l	100
6) Chloroethane	2.834	64	33335	10.964	ug/l	99
7) Trichlorofluoromethane	3.169	101	42610	11.124	ug/l	95
8) Diethyl Ether	3.593	74	12247	9.722	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.964	101	28401	11.256	ug/l	95
10) Methyl Iodide	4.158	142	24409	9.304	ug/l	89
11) Tert butyl alcohol	5.058	59	6398	53.862	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	26437	10.528	ug/l #	79
13) Acrolein	3.793	56	15005	51.613	ug/l	97
14) Allyl chloride	4.558	41	25751	10.104	ug/l #	82
15) Acrylonitrile	5.258	53	26275	50.376	ug/l	97
16) Acetone	4.022	43	23947	53.599	ug/l #	84
17) Carbon Disulfide	4.269	76	77943	9.188	ug/l	96
18) Methyl Acetate	4.563	43	16582	10.404	ug/l #	75
19) Methyl tert-butyl Ether	5.316	73	48346	9.836	ug/l	95
20) Methylene Chloride	4.799	84	64370	11.018	ug/l #	80
21) trans-1,2-Dichloroethene	5.311	96	30009	10.369	ug/l #	80
22) Diisopropyl ether	6.210	45	57727	9.758	ug/l #	95
23) Vinyl Acetate	6.152	43	103603	44.317	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	49177	10.541	ug/l	99
25) 2-Butanone	7.081	43	27687	49.285	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	38903	10.227	ug/l	89
27) cis-1,2-Dichloroethene	7.075	96	32551	10.135	ug/l	84
28) Bromochloromethane	7.428	49	16679	10.722	ug/l #	54
29) Tetrahydrofuran	7.446	42	15345	46.865	ug/l #	64
30) Chloroform	7.599	83	54183	10.860	ug/l	86
31) Cyclohexane	7.875	56	34454	10.018	ug/l #	68
32) 1,1,1-Trichloroethane	7.793	97	43507	10.943	ug/l	96
36) 1,1-Dichloropropene	8.004	75	34824	9.625	ug/l	92
37) Ethyl Acetate	7.169	43	11410	9.107	ug/l #	80
38) Carbon Tetrachloride	7.987	117	33669	10.302	ug/l	97
39) Methylcyclohexane	9.269	83	39541	9.492	ug/l	94
40) Benzene	8.246	78	116372	10.004	ug/l	99

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41) Methacrylonitrile	7.399	41	6518	9.488	ug/l #	80
42) 1,2-Dichloroethane	8.328	62	29011	10.544	ug/l	95
43) Isopropyl Acetate	8.357	43	23046	9.847	ug/l #	87
44) Trichloroethene	9.028	130	33271	10.149	ug/l	95
45) 1,2-Dichloropropane	9.304	63	29358	10.232	ug/l	92
46) Dibromomethane	9.393	93	16764	10.424	ug/l	93
47) Bromodichloromethane	9.587	83	39378	10.188	ug/l	99
48) Methyl methacrylate	9.381	41	8837	8.531	ug/l #	55
49) 1,4-Dioxane	9.393	88	3337	194.034	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	58909	47.327	ug/l	88
52) Toluene	10.334	92	70682	9.729	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	33885	9.727	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	41739	9.818	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	24113	10.455	ug/l	86
56) Ethyl methacrylate	10.598	69	21149	9.123	ug/l #	65
57) 1,3-Dichloropropane	10.881	76	36551	10.102	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	51003	45.856	ug/l #	88
59) 2-Hexanone	10.922	43	42000	47.846	ug/l	82
60) Dibromochloromethane	11.075	129	26672	10.285	ug/l	98
61) 1,2-Dibromoethane	11.181	107	20441	9.964	ug/l	92
64) Tetrachloroethene	10.810	164	27451	9.792	ug/l	94
65) Chlorobenzene	11.604	112	81104	9.772	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	29128	10.199	ug/l	96
67) Ethyl Benzene	11.687	91	121400	9.154	ug/l	97
68) m/p-Xylenes	11.793	106	99511	18.360	ug/l	91
69) o-Xylene	12.122	106	44099	8.917	ug/l	92
70) Styrene	12.134	104	78508	9.156	ug/l	93
71) Bromoform	12.298	173	16314	10.155	ug/l #	99
73) Isopropylbenzene	12.422	105	111005	8.936	ug/l	97
74) N-amyl acetate	12.234	43	19205	8.679	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	27087	10.145	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	18172m	11.454	ug/l	
77) Bromobenzene	12.704	156	32762	9.839	ug/l	89
78) n-propylbenzene	12.763	91	140028	9.056	ug/l	98
79) 2-Chlorotoluene	12.851	91	80916	9.455	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	94372	9.164	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	7267	9.277	ug/l #	71
82) 4-Chlorotoluene	12.945	91	89407	9.822	ug/l	93
83) tert-Butylbenzene	13.169	119	78244	8.990	ug/l	92
84) 1,2,4-Trimethylbenzene	13.216	105	90629	8.837	ug/l	93
85) sec-Butylbenzene	13.345	105	124839	9.204	ug/l	97
86) p-Isopropyltoluene	13.463	119	98748	8.897	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	67402	10.012	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	67107	10.067	ug/l	97
89) n-Butylbenzene	13.787	91	89964	8.602	ug/l	98
90) Hexachloroethane	14.051	117	22183	9.717	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	57626	9.754	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3406	9.825	ug/l	82
93) 1,2,4-Trichlorobenzene	15.098	180	29577	8.607	ug/l	95
94) Hexachlorobutadiene	15.204	225	16342	9.327	ug/l	98
95) Naphthalene	15.334	128	52888	8.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	27939	8.939	ug/l	98

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

