

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020723\
 Data File : VD075255.D
 Acq On : 07 Feb 2023 10:49
 Operator : KP/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 :Krupa Patel 02/08/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 08 04:18:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 03:23:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	58303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	98142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	88793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	42429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	7441	10.884	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.760%#		
35) Dibromofluoromethane	7.811	113	7018	10.198	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.400%#		
50) Toluene-d8	10.269	98	27491	10.534	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	21.060%#		
62) 4-Bromofluorobenzene	12.575	95	8614	10.010	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	6038	9.984	ug/l	94
3) Chloromethane	2.146	50	11543	9.790	ug/l	97
4) Vinyl Chloride	2.281	62	10148	10.462	ug/l	94
5) Bromomethane	2.687	94	6753	10.881	ug/l	96
6) Chloroethane	2.834	64	7405	11.066	ug/l	95
7) Trichlorofluoromethane	3.176	101	12498	10.363	ug/l	87
8) Diethyl Ether	3.593	74	3231	9.966	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.975	101	6740	9.848	ug/l	94
10) Methyl Iodide	4.164	142	6418	9.904	ug/l	96
11) Tert butyl alcohol	5.040	59	2427m	60.804	ug/l	
12) 1,1-Dichloroethene	3.940	96	6783	10.395	ug/l	98
13) Acrolein	3.799	56	1801	53.644	ug/l	93
14) Allyl chloride	4.570	41	11202	10.318	ug/l	92
15) Acrylonitrile	5.264	53	7790	49.171	ug/l	96
16) Acetone	4.023	43	8739	48.343	ug/l	92
17) Carbon Disulfide	4.275	76	21139	10.500	ug/l	97
18) Methyl Acetate	4.570	43	4964	7.924	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	14788	9.871	ug/l	97
20) Methylene Chloride	4.805	84	11027	9.603	ug/l	98
21) trans-1,2-Dichloroethene	5.317	96	7804	10.568	ug/l	94
22) Diisopropyl ether	6.217	45	21271	9.850	ug/l #	93
23) Vinyl Acetate	6.158	43	27535	43.695	ug/l	97
24) 1,1-Dichloroethane	6.117	63	14180	10.532	ug/l #	93
25) 2-Butanone	7.087	43	11282	50.368	ug/l	93
26) 2,2-Dichloropropane	7.081	77	11951	10.028	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	8535	10.331	ug/l	96
28) Bromochloromethane	7.428	49	4227	9.360	ug/l #	85
29) Tetrahydrofuran	7.446	42	5725	47.465	ug/l	98
30) Chloroform	7.599	83	14584	10.524	ug/l	95
31) Cyclohexane	7.881	56	12776	10.524	ug/l #	92
32) 1,1,1-Trichloroethane	7.793	97	13034	10.515	ug/l	98
36) 1,1-Dichloropropene	8.011	75	10847	10.118	ug/l	98
37) Ethyl Acetate	7.169	43	4809	10.286	ug/l #	83
38) Carbon Tetrachloride	7.993	117	9382	9.445	ug/l	91
39) Methylcyclohexane	9.275	83	12042	9.705	ug/l	97
40) Benzene	8.252	78	30059	9.977	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.422	41	3197m	9.914	ug/l	
42) 1,2-Dichloroethane	8.328	62	8847	10.142	ug/l	97
43) Isopropyl Acetate	8.369	43	8611	9.639	ug/l #	74
44) Trichloroethene	9.028	130	8205	9.879	ug/l	94
45) 1,2-Dichloropropane	9.305	63	7315	9.560	ug/l	96
46) Dibromomethane	9.399	93	4381	10.332	ug/l	95
47) Bromodichloromethane	9.587	83	10508	9.957	ug/l	96
48) Methyl methacrylate	9.381	41	3717	8.761	ug/l #	88
49) 1,4-Dioxane	9.381	88	567	155.947	ug/l #	70
51) 4-Methyl-2-Pentanone	10.157	43	20973	46.438	ug/l	94
52) Toluene	10.334	92	18995	10.009	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	8631	9.442	ug/l	91
54) cis-1,3-Dichloropropene	10.022	75	10263	9.390	ug/l	91
55) 1,1,2-Trichloroethane	10.734	97	5110	9.440	ug/l #	87
56) Ethyl methacrylate	10.599	69	5758	9.150	ug/l	90
57) 1,3-Dichloropropane	10.881	76	8904	9.656	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	6326	49.419	ug/l	95
59) 2-Hexanone	10.922	43	15490	46.945	ug/l	91
60) Dibromochloromethane	11.075	129	6432	9.591	ug/l	96
61) 1,2-Dibromoethane	11.175	107	5212	9.986	ug/l	94
64) Tetrachloroethene	10.816	164	6942	10.151	ug/l	92
65) Chlorobenzene	11.610	112	19866	9.921	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.687	131	7562	10.372	ug/l	95
67) Ethyl Benzene	11.687	91	35009	9.470	ug/l	98
68) m/p-Xylenes	11.799	106	26062	18.533	ug/l	94
69) o-Xylene	12.122	106	12421	9.456	ug/l	96
70) Styrene	12.140	104	21019	9.446	ug/l	98
71) Bromoform	12.299	173	3902	9.964	ug/l #	94
73) Isopropylbenzene	12.422	105	33857	9.850	ug/l	100
74) N-amyl acetate	12.240	43	7237	9.370	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	6171	10.319	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	4875m	6.891	ug/l	
77) Bromobenzene	12.704	156	7833	10.064	ug/l	96
78) n-propylbenzene	12.769	91	41917	9.801	ug/l	100
79) 2-Chlorotoluene	12.851	91	23446	9.994	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	27337	9.552	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	1330	10.677	ug/l #	80
82) 4-Chlorotoluene	12.951	91	24017	9.814	ug/l	99
83) tert-Butylbenzene	13.169	119	23828	9.657	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	27691	9.687	ug/l	99
85) sec-Butylbenzene	13.346	105	36328	9.598	ug/l	99
86) p-Isopropyltoluene	13.463	119	30068	9.711	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	16575	10.536	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	15982	10.153	ug/l	94
89) n-Butylbenzene	13.793	91	29061	9.614	ug/l	99
90) Hexachloroethane	14.057	117	6547	10.725	ug/l	85
91) 1,2-Dichlorobenzene	13.840	146	14013	10.266	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	902	9.725	ug/l	100
93) 1,2,4-Trichlorobenzene	15.098	180	8414	9.842	ug/l	96
94) Hexachlorobutadiene	15.204	225	4205	9.323	ug/l	88
95) Naphthalene	15.334	128	14903	9.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	7187	9.744	ug/l	97

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

