

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101122\
 Data File : VD074512.D
 Acq On : 11 Oct 2022 12:04
 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 :Krupa Patel 10/12/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 12 00:42:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 00:39:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	97086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	162067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	144944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	69501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	4478	5.359	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.720%#		
35) Dibromofluoromethane	7.811	113	7193	6.780	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	13.560%#		
50) Toluene-d8	10.269	98	16549	4.645	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.300%#		
62) 4-Bromofluorobenzene	12.569	95	9988	7.565	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	15.140%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	8101	8.631	ug/l	92
3) Chloromethane	2.146	50	11463	9.812	ug/l #	85
4) Vinyl Chloride	2.281	62	11220	9.285	ug/l	97
5) Bromomethane	2.687	94	7871	9.181	ug/l	93
6) Chloroethane	2.834	64	7482	9.280	ug/l	92
7) Trichlorofluoromethane	3.170	101	16118	8.715	ug/l	100
8) Diethyl Ether	3.593	74	5434	9.788	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.970	101	11445	9.207	ug/l	99
10) Methyl Iodide	4.164	142	10801	7.579	ug/l	99
11) Tert butyl alcohol	5.034	59	10656	64.353	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	11617	9.175	ug/l	98
13) Acrolein	3.787	56	2329	54.537	ug/l	90
14) Allyl chloride	4.558	41	13090	9.497	ug/l	97
15) Acrylonitrile	5.258	53	9751	44.124	ug/l	97
16) Acetone	4.028	43	8608	47.753	ug/l	96
17) Carbon Disulfide	4.264	76	34129	9.117	ug/l	99
18) Methyl Acetate	4.564	43	5105	8.900	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	22107	9.175	ug/l	97
20) Methylene Chloride	4.799	84	23810	12.677	ug/l #	86
21) trans-1,2-Dichloroethene	5.305	96	13441	9.856	ug/l	89
22) Diisopropyl ether	6.211	45	27892	10.121	ug/l	98
23) Vinyl Acetate	6.158	43	58405m	51.837	ug/l	
24) 1,1-Dichloroethane	6.111	63	20410	9.568	ug/l	98
25) 2-Butanone	7.087	43	12449	50.029	ug/l	98
26) 2,2-Dichloropropane	7.075	77	19138	10.192	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	14507	9.988	ug/l	96
28) Bromochloromethane	7.434	49	5915	10.501	ug/l #	94
29) Tetrahydrofuran	7.446	42	6918	50.413	ug/l	94
30) Chloroform	7.599	83	21896	10.594	ug/l	95
31) Cyclohexane	7.881	56	17468	9.824	ug/l #	82
32) 1,1,1-Trichloroethane	7.793	97	18698	9.990	ug/l	96
36) 1,1-Dichloropropene	8.011	75	16597	10.671	ug/l	96
37) Ethyl Acetate	7.169	43	5476	10.727	ug/l #	96
38) Carbon Tetrachloride	7.993	117	14394	10.009	ug/l	97
39) Methylcyclohexane	9.269	83	18448	9.476	ug/l	92
40) Benzene	8.252	78	46644	10.076	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	2801	9.175	ug/l #	91
42) 1,2-Dichloroethane	8.328	62	10697	9.779	ug/l	96
43) Isopropyl Acetate	8.358	43	9254	9.866	ug/l	98
44) Trichloroethene	9.028	130	12669	9.566	ug/l	92
45) 1,2-Dichloropropane	9.305	63	10573	10.025	ug/l #	88
46) Dibromomethane	9.393	93	5727	9.664	ug/l	93
47) Bromodichloromethane	9.581	83	14578	9.952	ug/l #	95
48) Methyl methacrylate	9.381	41	4409	9.713	ug/l	90
49) 1,4-Dioxane	9.381	88	958	155.612	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	23189	49.973	ug/l	93
52) Toluene	10.328	92	30127	10.297	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	12709	9.951	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	16300	10.105	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	8390	10.562	ug/l	95
56) Ethyl methacrylate	10.593	69	8318	9.083	ug/l #	90
57) 1,3-Dichloropropane	10.881	76	13409	10.093	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	8839	51.402	ug/l	95
59) 2-Hexanone	10.916	43	14892	47.942	ug/l	98
60) Dibromochloromethane	11.075	129	9550	9.995	ug/l	97
61) 1,2-Dibromoethane	11.181	107	7668	10.374	ug/l	96
64) Tetrachloroethene	10.810	164	10771	9.924	ug/l	93
65) Chlorobenzene	11.604	112	31794	10.219	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	10319	9.774	ug/l	94
67) Ethyl Benzene	11.681	91	55049	9.982	ug/l	96
68) m/p-Xylenes	11.793	106	43334	19.706	ug/l	98
69) o-Xylene	12.116	106	20496	10.017	ug/l	97
70) Styrene	12.134	104	35235	10.191	ug/l	99
71) Bromoform	12.299	173	4992	9.283	ug/l #	98
73) Isopropylbenzene	12.416	105	52833	9.449	ug/l	99
74) N-amyl acetate	12.228	43	8062	9.207	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	8778	9.925	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	4844m	9.103	ug/l	
77) Bromobenzene	12.698	156	12644	9.996	ug/l	97
78) n-propylbenzene	12.757	91	66244	9.793	ug/l	98
79) 2-Chlorotoluene	12.846	91	35247	9.708	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	42897	9.440	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	2233	9.536	ug/l	98
82) 4-Chlorotoluene	12.940	91	36487	10.013	ug/l	99
83) tert-Butylbenzene	13.163	119	36925	9.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	43145	9.585	ug/l	99
85) sec-Butylbenzene	13.340	105	58041	9.573	ug/l	99
86) p-Isopropyltoluene	13.457	119	47616	9.458	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	24710	9.535	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	24892	9.679	ug/l	97
89) n-Butylbenzene	13.781	91	45582	9.693	ug/l	98
90) Hexachloroethane	14.045	117	8678	9.763	ug/l	90
91) 1,2-Dichlorobenzene	13.822	146	21511	9.730	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	1293	10.694	ug/l	80
93) 1,2,4-Trichlorobenzene	15.092	180	13265	9.100	ug/l	99
94) Hexachlorobutadiene	15.198	225	7108	9.379	ug/l	98
95) Naphthalene	15.322	128	23501	8.537	ug/l	99
96) 1,2,3-Trichlorobenzene	15.510	180	11816	9.496	ug/l	97

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

