

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100522\
 Data File : VD074454.D
 Acq On : 05 Oct 2022 15:14
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/06/2022
 Supervised By :Mahesh Dadoda 10/07/2022

Quant Time: Oct 06 01:24:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:15:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	109438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	186483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	170860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	78079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99306	102.979	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 205.960%#			
35) Dibromofluoromethane	7.805	113	113441	82.961	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 165.920%#			
50) Toluene-d8	10.269	98	471303	108.752	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 217.500%#			
62) 4-Bromofluorobenzene	12.569	95	133411	78.286	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 156.580%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	103999	110.228	ug/l	94
3) Chloromethane	2.146	50	120740	122.354	ug/l	94
4) Vinyl Chloride	2.281	62	121633	141.125	ug/l	98
5) Bromomethane	2.675	94	71334	113.978	ug/l	95
6) Chloroethane	2.828	64	79704	138.331	ug/l	94
7) Trichlorofluoromethane	3.169	101	196750	107.122	ug/l	96
8) Diethyl Ether	3.587	74	59847	109.926	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.958	101	127453	103.894	ug/l	98
10) Methyl Iodide	4.164	142	175356	155.577	ug/l	98
11) Tert butyl alcohol	5.063	59	37901	214.881	ug/l #	93
12) 1,1-Dichloroethene	3.934	96	132132	111.866	ug/l	90
13) Acrolein	3.793	56	30757	456.744	ug/l	98
14) Allyl chloride	4.564	41	150237	121.003	ug/l	98
15) Acrylonitrile	5.252	53	117481	517.767	ug/l	98
16) Acetone	4.022	43	103176	516.534	ug/l	95
17) Carbon Disulfide	4.264	76	414589	142.311	ug/l	97
18) Methyl Acetate	4.564	43	54490	89.787	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	262093	105.706	ug/l	99
20) Methylene Chloride	4.793	84	141816	78.021	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	146776	116.762	ug/l	94
22) Diisopropyl ether	6.216	45	314638	113.988	ug/l	98
23) Vinyl Acetate	6.152	43	783353	653.558	ug/l	100
24) 1,1-Dichloroethane	6.110	63	217381	105.241	ug/l	99
25) 2-Butanone	7.081	43	133081	507.474	ug/l	99
26) 2,2-Dichloropropane	7.075	77	188667	99.255	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	151798	104.672	ug/l	98
28) Bromochloromethane	7.422	49	63229	97.622	ug/l	90
29) Tetrahydrofuran	7.446	42	78330	538.825	ug/l	94
30) Chloroform	7.593	83	216637	95.300	ug/l	98
31) Cyclohexane	7.881	56	190557	113.223	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	198655	101.507	ug/l	97
36) 1,1-Dichloropropene	8.010	75	175972	103.439	ug/l	99
37) Ethyl Acetate	7.169	43	57797	103.196	ug/l	98
38) Carbon Tetrachloride	7.993	117	167203	104.031	ug/l	96
39) Methylcyclohexane	9.275	83	228179	110.988	ug/l	96
40) Benzene	8.252	78	517485	103.320	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	32678	99.947	ug/l	93
42) 1,2-Dichloroethane	8.328	62	117531	94.141	ug/l	99
43) Isopropyl Acetate	8.357	43	110017	101.071	ug/l	97
44) Trichloroethene	9.028	130	141012	93.343	ug/l	96
45) 1,2-Dichloropropane	9.304	63	117360	99.299	ug/l	94
46) Dibromomethane	9.393	93	66156	95.153	ug/l	94
47) Bromodichloromethane	9.581	83	164186	92.305	ug/l	98
48) Methyl methacrylate	9.381	41	51244	105.549	ug/l	94
49) 1,4-Dioxane	9.387	88	14350	2136.692	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	282551	503.602	ug/l	97
52) Toluene	10.334	92	335628	103.253	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	159254	105.002	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	190277	99.475	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	90319	93.774	ug/l	98
56) Ethyl methacrylate	10.598	69	112883	103.292	ug/l	94
57) 1,3-Dichloropropane	10.875	76	152576	95.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	133683	731.328	ug/l	96
59) 2-Hexanone	10.916	43	194449	506.463	ug/l	99
60) Dibromochloromethane	11.075	129	111353	92.970	ug/l	98
61) 1,2-Dibromoethane	11.175	107	84509	90.043	ug/l	97
64) Tetrachloroethene	10.810	164	117304	89.136	ug/l	96
65) Chlorobenzene	11.604	112	346524	94.826	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	120712	92.601	ug/l	98
67) Ethyl Benzene	11.681	91	643645	99.627	ug/l	98
68) m/p-Xylenes	11.793	106	499031	196.813	ug/l	99
69) o-Xylene	12.116	106	233123	99.616	ug/l	98
70) Styrene	12.134	104	390833	95.990	ug/l	99
71) Bromoform	12.293	173	60607	85.060	ug/l #	95
73) Isopropylbenzene	12.416	105	609967	104.836	ug/l	99
74) N-amyl acetate	12.228	43	104690	112.079	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	94986	93.970	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	65284m	107.118	ug/l	
77) Bromobenzene	12.693	156	133273	97.634	ug/l	97
78) n-propylbenzene	12.757	91	735868	104.663	ug/l	99
79) 2-Chlorotoluene	12.845	91	383831	101.566	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	491668	101.910	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	29547	114.132	ug/l	96
82) 4-Chlorotoluene	12.940	91	384320	99.116	ug/l	99
83) tert-Butylbenzene	13.163	119	433049	99.944	ug/l	100
84) 1,2,4-Trimethylbenzene	13.204	105	478160	99.869	ug/l	98
85) sec-Butylbenzene	13.340	105	653461	100.323	ug/l	100
86) p-Isopropyltoluene	13.457	119	546012	100.706	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	265394	94.481	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	262979	93.933	ug/l	99
89) n-Butylbenzene	13.781	91	515568	102.016	ug/l	99
90) Hexachloroethane	14.045	117	97264	101.094	ug/l	95
91) 1,2-Dichlorobenzene	13.822	146	228564	93.808	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13605	107.044	ug/l	94
93) 1,2,4-Trichlorobenzene	15.092	180	152415	92.708	ug/l	99
94) Hexachlorobutadiene	15.198	225	79022	88.219	ug/l	99
95) Naphthalene	15.322	128	297871	98.964	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	131115	93.203	ug/l	99

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

