

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073253.D
 Acq On : 22 May 2022 04:07
 Operator : VA/SY
 Sample : VD0521SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 22 04:22:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	295780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	537137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	525051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182146	55.723	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.440%			
35) Dibromofluoromethane	7.908	113	187648	52.942	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.880%			
50) Toluene-d8	10.332	98	679018	51.970	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.940%			
62) 4-Bromofluorobenzene	12.620	95	236540	51.588	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	59582	20.160	ug/l	95
3) Chloromethane	2.209	50	64850	19.405	ug/l	99
4) Vinyl Chloride	2.344	62	59175	19.364	ug/l	100
5) Bromomethane	2.750	94	43196	19.594	ug/l	91
6) Chloroethane	2.909	64	39403	20.974	ug/l	97
7) Trichlorofluoromethane	3.268	101	108003	19.987	ug/l	97
8) Diethyl Ether	3.709	74	32486	21.878	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.085	101	63215	19.607	ug/l	94
10) Methyl Iodide	4.291	142	66351	19.075	ug/l	98
11) Tert butyl alcohol	5.214	59	36433	71.838	ug/l #	89
12) 1,1-Dichloroethene	4.062	96	57781	19.439	ug/l	89
13) Acrolein	3.920	56	23175	105.450	ug/l	98
14) Allyl chloride	4.709	41	93883	19.567	ug/l	91
15) Acrylonitrile	5.414	53	77174	113.662	ug/l	99
16) Acetone	4.150	43	57909	102.279	ug/l	94
17) Carbon Disulfide	4.397	76	186701	18.947	ug/l	96
18) Methyl Acetate	4.715	43	40729	25.870	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	146694	21.662	ug/l	98
20) Methylene Chloride	4.956	84	87077	22.012	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	75979	21.140	ug/l	82
22) Diisopropyl ether	6.361	45	219325	21.806	ug/l	94
23) Vinyl Acetate	6.303	43	556816	103.785	ug/l #	92
24) 1,1-Dichloroethane	6.256	63	137747	21.336	ug/l	98
25) 2-Butanone	7.203	43	90603	109.377	ug/l #	90
26) 2,2-Dichloropropane	7.197	77	87464	15.886	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	82630	20.778	ug/l	92
28) Bromochloromethane	7.538	49	44892	20.183	ug/l #	82
29) Tetrahydrofuran	7.561	42	61056	113.990	ug/l	96
30) Chloroform	7.703	83	145825	21.635	ug/l	99
31) Cyclohexane	7.979	56	104424	18.281	ug/l #	85
32) 1,1,1-Trichloroethane	7.897	97	122229	20.734	ug/l	95
36) 1,1-Dichloropropene	8.103	75	100351	18.825	ug/l	98
37) Ethyl Acetate	7.285	43	46107	21.897	ug/l #	95
38) Carbon Tetrachloride	8.091	117	103212	19.101	ug/l	96
39) Methylcyclohexane	9.350	83	101690	17.117	ug/l	97
40) Benzene	8.344	78	302375	19.682	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	24236	19.756	ug/l #	88
42) 1,2-Dichloroethane	8.414	62	89294	20.889	ug/l	96
43) Isopropyl Acetate	8.450	43	80058	20.570	ug/l #	93
44) Trichloroethene	9.103	130	79026	19.290	ug/l	91
45) 1,2-Dichloropropane	9.379	63	79113	20.448	ug/l	92
46) Dibromomethane	9.467	93	43035	20.252	ug/l	95
47) Bromodichloromethane	9.655	83	111654	20.536	ug/l #	96
48) Methyl methacrylate	9.450	41	39171	20.005	ug/l #	87
49) 1,4-Dioxane	9.455	88	9279	422.843	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	220631	109.149	ug/l	97
52) Toluene	10.397	92	195362	20.123	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	94715	19.283	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	112594	19.155	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	62974	21.916	ug/l	97
56) Ethyl methacrylate	10.650	69	66317	20.757	ug/l	86
57) 1,3-Dichloropropane	10.938	76	99717	20.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	138236	104.816	ug/l	98
59) 2-Hexanone	10.973	43	142396	106.850	ug/l	95
60) Dibromochloromethane	11.126	129	74557	20.808	ug/l	98
61) 1,2-Dibromoethane	11.238	107	56698	20.649	ug/l	100
64) Tetrachloroethene	10.867	164	65162	18.948	ug/l	92
65) Chlorobenzene	11.661	112	206290	19.152	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	80045	20.038	ug/l	98
67) Ethyl Benzene	11.738	91	349987	18.509	ug/l	99
68) m/p-Xylenes	11.844	106	282671	38.478	ug/l	95
69) o-Xylene	12.173	106	127038	18.824	ug/l	98
70) Styrene	12.185	104	227709	19.612	ug/l	97
71) Bromoform	12.349	173	44273	21.534	ug/l #	96
73) Isopropylbenzene	12.467	105	332203	19.113	ug/l	99
74) N-amyl acetate	12.279	43	76757	20.243	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	69948	21.820	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	48559m	20.299	ug/l	
77) Bromobenzene	12.749	156	84620	20.682	ug/l	91
78) n-propylbenzene	12.808	91	417147	19.117	ug/l	98
79) 2-Chlorotoluene	12.896	91	249223	19.781	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	289077	19.633	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	18507	18.572	ug/l	91
82) 4-Chlorotoluene	12.991	91	265205	20.082	ug/l	99
83) tert-Butylbenzene	13.208	119	230488	18.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	293929	20.207	ug/l	99
85) sec-Butylbenzene	13.391	105	362592	19.137	ug/l	99
86) p-Isopropyltoluene	13.502	119	289493	18.743	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	169119	20.506	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	165008	19.821	ug/l	99
89) n-Butylbenzene	13.826	91	267254	18.160	ug/l	99
90) Hexachloroethane	14.096	117	63603	19.901	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	147282	20.640	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11072	22.554	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	78374	19.346	ug/l	100
94) Hexachlorobutadiene	15.249	225	42948	18.813	ug/l	99
95) Naphthalene	15.379	128	142929	20.187	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	69829	19.443	ug/l	99

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

