

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD073987.D
 Acq On : 09 Aug 2022 10:20
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/10/2022
 Supervised By :Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 00:17:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 00:16:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.967	168	150287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	251210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	230940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	110016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	7823	5.847	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.700%#
35) Dibromofluoromethane	7.908	113	7972	5.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.340%#
50) Toluene-d8	10.326	98	22962	5.072	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.140%#
62) 4-Bromofluorobenzene	12.620	95	9352	4.774	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	9.540%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	11580	8.358	ug/l	100
3) Chloromethane	2.215	50	13034	6.892	ug/l #	88
4) Vinyl Chloride	2.344	62	16088	6.337	ug/l #	83
5) Bromomethane	2.762	94	10398	6.573	ug/l	92
6) Chloroethane	2.915	64	11171	6.194	ug/l	98
7) Trichlorofluoromethane	3.262	101	16165	5.125	ug/l	87
8) Diethyl Ether	3.714	74	4059	6.400	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.079	101	9212	5.976	ug/l	95
10) Methyl Iodide	4.291	142	6394	4.755	ug/l #	92
11) Tert butyl alcohol	5.238	59	3641m	23.879	ug/l	
12) 1,1-Dichloroethene	4.050	96	7237	5.671	ug/l	90
13) Acrolein	3.903	56	130m	1.483	ug/l	
14) Allyl chloride	4.703	41	9332	5.380	ug/l	96
15) Acrylonitrile	5.414	53	6813	23.063	ug/l	89
16) Acetone	4.162	43	8514	30.228	ug/l	93
17) Carbon Disulfide	4.403	76	22572	6.789	ug/l #	93
18) Methyl Acetate	4.709	43	5430	6.894	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	16149	4.852	ug/l #	79
20) Methylene Chloride	4.956	84	20161	8.951	ug/l #	88
21) trans-1,2-Dichloroethene	5.456	96	8903	5.947	ug/l #	82
22) Diisopropyl ether	6.361	45	17820	4.553	ug/l #	95
23) Vinyl Acetate	6.297	43	44950m	4.445	ug/l	
24) 1,1-Dichloroethane	6.256	63	14805	5.514	ug/l #	95
25) 2-Butanone	7.208	43	11719	27.512	ug/l	99
26) 2,2-Dichloropropane	7.203	77	16595	6.003	ug/l	95
27) cis-1,2-Dichloroethene	7.191	96	9769	5.544	ug/l	90
28) Bromochloromethane	7.544	49	4773	5.587	ug/l #	98
29) Tetrahydrofuran	7.561	42	5592	23.833	ug/l	98
30) Chloroform	7.702	83	16835	5.404	ug/l	87
31) Cyclohexane	7.973	56	14888	6.889	ug/l #	82
32) 1,1,1-Trichloroethane	7.891	97	15837	5.382	ug/l	95
36) 1,1-Dichloropropene	8.102	75	12055	5.602	ug/l	95
37) Ethyl Acetate	7.291	43	4968	5.177	ug/l #	87
38) Carbon Tetrachloride	8.091	117	12836	5.085	ug/l	89
39) Methylcyclohexane	9.344	83	11748	5.152	ug/l	88
40) Benzene	8.344	78	32466	5.343	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	2425	5.046	ug/l #	78
42) 1,2-Dichloroethane	8.414	62	10538	5.372	ug/l	98
43) Isopropyl Acetate	8.444	43	8519	4.740	ug/l	97
44) Trichloroethene	9.102	130	9682	5.440	ug/l	97
45) 1,2-Dichloropropane	9.379	63	7740	5.184	ug/l	94
46) Dibromomethane	9.473	93	5305	5.354	ug/l	95
47) Bromodichloromethane	9.655	83	12869	5.179	ug/l	96
48) Methyl methacrylate	9.449	41	3969	4.950	ug/l	92
49) 1,4-Dioxane	9.449	88	1022	90.742	ug/l #	84
51) 4-Methyl-2-Pentanone	10.220	43	20638	22.267	ug/l	98
52) Toluene	10.391	92	19163	4.788	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	10277	4.726	ug/l	90
54) cis-1,3-Dichloropropene	10.079	75	11685	4.735	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	6687	5.131	ug/l	89
56) Ethyl methacrylate	10.655	69	6520	4.589	ug/l	95
57) 1,3-Dichloropropane	10.932	76	10668	5.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	10150	20.396	ug/l	96
59) 2-Hexanone	10.973	43	13481	21.495	ug/l	97
60) Dibromochloromethane	11.126	129	7870	4.525	ug/l	87
61) 1,2-Dibromoethane	11.232	107	6663	5.223	ug/l	91
64) Tetrachloroethene	10.861	164	9013	6.153	ug/l	92
65) Chlorobenzene	11.661	112	22644	5.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	8616	4.948	ug/l	95
67) Ethyl Benzene	11.732	91	36339	4.747	ug/l	98
68) m/p-Xylenes	11.838	106	27713	9.010	ug/l	95
69) o-Xylene	12.167	106	12946	4.572	ug/l	100
70) Styrene	12.185	104	20361	4.108	ug/l	97
71) Bromoform	12.349	173	4805	4.619	ug/l #	95
73) Isopropylbenzene	12.467	105	34379	4.835	ug/l	99
74) N-amyl acetate	12.273	43	7287	4.737	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.708	83	7268	5.217	ug/l	97
76) 1,2,3-Trichloropropane	12.761	75	4587m	3.211	ug/l	
77) Bromobenzene	12.749	156	8426	4.817	ug/l	90
78) n-propylbenzene	12.808	91	42041	4.813	ug/l	99
79) 2-Chlorotoluene	12.896	91	24748	4.972	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	28418	4.677	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	2065	5.298	ug/l	87
82) 4-Chlorotoluene	12.990	91	25882	4.894	ug/l	99
83) tert-Butylbenzene	13.202	119	23556	4.482	ug/l	95
84) 1,2,4-Trimethylbenzene	13.249	105	27683	4.528	ug/l	98
85) sec-Butylbenzene	13.385	105	35352	4.420	ug/l	97
86) p-Isopropyltoluene	13.496	119	29453	4.363	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	17621	4.814	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	18441	4.979	ug/l	92
89) n-Butylbenzene	13.826	91	28956	4.566	ug/l	97
90) Hexachloroethane	14.096	117	7125	5.221	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	15855	4.999	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1540	6.231	ug/l	78
93) 1,2,4-Trichlorobenzene	15.137	180	8898	4.645	ug/l	93
94) Hexachlorobutadiene	15.243	225	5846	5.434	ug/l	99
95) Naphthalene	15.379	128	16124	4.468	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	8052	4.658	ug/l	98

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

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