

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051122\
 Data File : VD072925.D
 Acq On : 11 May 2022 12:30
 Operator : VA/SY
 Sample : VD0511SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/12/2022
 Supervised By :Semsettin Yesilyurt 05/12/2022

Quant Time: May 11 13:18:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	318279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	526863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	496548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	195626	47.350	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.700%		
35) Dibromofluoromethane	7.908	113	198581	53.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.340%		
50) Toluene-d8	10.332	98	714391	53.823	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.640%		
62) 4-Bromofluorobenzene	12.620	95	268882	54.329	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	88566	20.137	ug/l	98
3) Chloromethane	2.209	50	88659	19.383	ug/l	91
4) Vinyl Chloride	2.350	62	81378	19.828	ug/l	96
5) Bromomethane	2.756	94	54496	20.681	ug/l	93
6) Chloroethane	2.915	64	51897	20.288	ug/l	96
7) Trichlorofluoromethane	3.273	101	149557	20.809	ug/l	96
8) Diethyl Ether	3.709	74	39158	19.005	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	91966	21.554	ug/l	96
10) Methyl Iodide	4.291	142	80563	18.814	ug/l	100
11) Tert butyl alcohol	5.214	59	36528	102.187	ug/l #	91
12) 1,1-Dichloroethene	4.067	96	79703	20.768	ug/l	84
13) Acrolein	3.926	56	21875	76.431	ug/l	98
14) Allyl chloride	4.715	41	121315	19.579	ug/l	92
15) Acrylonitrile	5.420	53	86744	88.585	ug/l	98
16) Acetone	4.150	43	67163	77.217	ug/l	99
17) Carbon Disulfide	4.403	76	224742	18.624	ug/l	100
18) Methyl Acetate	4.715	43	46479	20.529	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	171811	18.674	ug/l	94
20) Methylene Chloride	4.962	84	106279	17.404	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	88305	20.062	ug/l	93
22) Diisopropyl ether	6.361	45	279021	20.471	ug/l	91
23) Vinyl Acetate	6.303	43	661107	87.802	ug/l	96
24) 1,1-Dichloroethane	6.261	63	167159	20.412	ug/l	100
25) 2-Butanone	7.208	43	105495	87.636	ug/l	96
26) 2,2-Dichloropropane	7.203	77	141561	20.448	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	101639	20.162	ug/l	93
28) Bromochloromethane	7.544	49	53513	17.523	ug/l	87
29) Tetrahydrofuran	7.556	42	67173	87.544	ug/l	94
30) Chloroform	7.703	83	177818	20.522	ug/l	98
31) Cyclohexane	7.979	56	149950	20.762	ug/l	89
32) 1,1,1-Trichloroethane	7.903	97	159290	21.570	ug/l	96
36) 1,1-Dichloropropene	8.108	75	133438	22.178	ug/l	98
37) Ethyl Acetate	7.291	43	49734	17.981	ug/l	98
38) Carbon Tetrachloride	8.091	117	135973	21.771	ug/l	98
39) Methylcyclohexane	9.350	83	145384	20.832	ug/l	97
40) Benzene	8.344	78	365869	21.057	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	28694	17.423	ug/l	93
42) 1,2-Dichloroethane	8.420	62	103913	19.846	ug/l	97
43) Isopropyl Acetate	8.444	43	94893	18.588	ug/l #	92
44) Trichloroethene	9.108	130	101749	21.889	ug/l	90
45) 1,2-Dichloropropane	9.379	63	94661	20.745	ug/l	94
46) Dibromomethane	9.467	93	47640	18.927	ug/l	96
47) Bromodichloromethane	9.655	83	132181	20.413	ug/l	98
48) Methyl methacrylate	9.450	41	49506	19.823	ug/l	91
49) 1,4-Dioxane	9.455	88	10512	370.868	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	246137	92.786	ug/l	95
52) Toluene	10.397	92	236134	21.786	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	114180	19.197	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	142368	20.603	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	68605	20.162	ug/l	95
56) Ethyl methacrylate	10.649	69	76948	19.206	ug/l #	89
57) 1,3-Dichloropropane	10.938	76	114989	19.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	150587	77.524	ug/l	96
59) 2-Hexanone	10.973	43	159786	89.516	ug/l	96
60) Dibromochloromethane	11.132	129	83941	19.596	ug/l	98
61) 1,2-Dibromoethane	11.238	107	66139	19.970	ug/l	95
64) Tetrachloroethene	10.867	164	81897	22.559	ug/l	95
65) Chlorobenzene	11.661	112	248158	21.607	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	92046	21.326	ug/l	96
67) Ethyl Benzene	11.738	91	441193	22.197	ug/l	97
68) m/p-Xylenes	11.844	106	340432	44.465	ug/l	97
69) o-Xylene	12.167	106	159330	22.283	ug/l	95
70) Styrene	12.185	104	277230	22.377	ug/l	98
71) Bromoform	12.349	173	48983	20.940	ug/l #	97
73) Isopropylbenzene	12.467	105	437970	22.801	ug/l	99
74) N-amyl acetate	12.279	43	92159	19.266	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	75353	19.434	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	66547m	24.173	ug/l	
77) Bromobenzene	12.749	156	96284	21.109	ug/l	96
78) n-propylbenzene	12.808	91	544562	22.494	ug/l	100
79) 2-Chlorotoluene	12.896	91	306050	21.642	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	372386	22.864	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	21545	17.997	ug/l	90
82) 4-Chlorotoluene	12.991	91	330533	22.370	ug/l	98
83) tert-Butylbenzene	13.208	119	313964	22.674	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	359161	22.061	ug/l	98
85) sec-Butylbenzene	13.391	105	484369	23.193	ug/l	100
86) p-Isopropyltoluene	13.502	119	393643	22.989	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	199776	21.742	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	196994	21.528	ug/l	99
89) n-Butylbenzene	13.826	91	372694	22.469	ug/l	99
90) Hexachloroethane	14.102	117	75887	21.634	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	172775	21.575	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11567	18.819	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	96373	20.321	ug/l	99
94) Hexachlorobutadiene	15.249	225	55378	21.381	ug/l	97
95) Naphthalene	15.385	128	164165	18.827	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	83731	19.917	ug/l	99

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

