

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072145.D
 Acq On : 11 Mar 2022 11:43
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 14 01:26:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 01:23:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	344344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	550020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	518247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	268385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	87760	20.837	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.680%#		
35) Dibromofluoromethane	7.909	113	88979	24.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	49.360%#		
50) Toluene-d8	10.338	98	325789	24.226	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	48.460%#		
62) 4-Bromofluorobenzene	12.626	95	128683	26.916	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	53.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	66351	16.556	ug/l	99
3) Chloromethane	2.209	50	53880	11.624	ug/l	97
4) Vinyl Chloride	2.350	62	51630	10.736	ug/l	95
5) Bromomethane	2.750	94	33266	10.510	ug/l	95
6) Chloroethane	2.915	64	34086	11.181	ug/l	93
7) Trichlorofluoromethane	3.274	101	124392	17.166	ug/l	97
8) Diethyl Ether	3.709	74	34139	18.037	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	79628	19.179	ug/l	96
10) Methyl Iodide	4.297	142	55905	13.725	ug/l	99
11) Tert butyl alcohol	5.221	59	23508	76.454	ug/l #	91
12) 1,1-Dichloroethene	4.068	96	60438	16.269	ug/l	91
13) Acrolein	3.915	56	24512	68.892	ug/l	92
14) Allyl chloride	4.709	41	109978	15.754	ug/l	93
15) Acrylonitrile	5.420	53	90370	94.997	ug/l	98
16) Acetone	4.156	43	84586	76.063	ug/l	99
17) Carbon Disulfide	4.409	76	103775	8.381	ug/l	100
18) Methyl Acetate	4.715	43	46511	18.926	ug/l #	90
19) Methyl tert-butyl Ether	5.479	73	177324	19.913	ug/l	100
20) Methylene Chloride	4.962	84	98381	20.097	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	65756	15.248	ug/l	92
22) Diisopropyl ether	6.367	45	265138	19.241	ug/l	91
23) Vinyl Acetate	6.303	43	638699	85.208	ug/l	97
24) 1,1-Dichloroethane	6.262	63	157942	19.457	ug/l	100
25) 2-Butanone	7.209	43	115547	87.750	ug/l	94
26) 2,2-Dichloropropane	7.209	77	138786	20.305	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	90272	19.178	ug/l	96
28) Bromochloromethane	7.538	49	61607	19.970	ug/l #	19
29) Tetrahydrofuran	7.562	42	65081	83.062	ug/l	92
30) Chloroform	7.709	83	165533	19.809	ug/l	98
31) Cyclohexane	7.979	56	109928	13.614	ug/l	90
32) 1,1,1-Trichloroethane	7.903	97	146215	19.698	ug/l	97
36) 1,1-Dichloropropene	8.109	75	105553	17.196	ug/l	96
37) Ethyl Acetate	7.291	43	49727	17.924	ug/l	96
38) Carbon Tetrachloride	8.097	117	123315	19.967	ug/l	96
39) Methylcyclohexane	9.350	83	112660	15.858	ug/l	97
40) Benzene	8.350	78	306888	18.474	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	31548	20.229	ug/l	97
42) 1,2-Dichloroethane	8.420	62	97530	18.897	ug/l	97
43) Isopropyl Acetate	8.450	43	94385	18.833	ug/l	95
44) Trichloroethene	9.109	130	87286	19.973	ug/l	97
45) 1,2-Dichloropropane	9.385	63	88146	20.560	ug/l	92
46) Dibromomethane	9.473	93	42951	19.377	ug/l	93
47) Bromodichloromethane	9.656	83	128149	21.500	ug/l	98
48) Methyl methacrylate	9.456	41	41085	15.509	ug/l #	76
49) 1,4-Dioxane	9.461	88	10041	398.421	ug/l	89
51) 4-Methyl-2-Pentanone	10.220	43	255449	97.587	ug/l	95
52) Toluene	10.397	92	201782	19.310	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	114687	21.062	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	130775	20.370	ug/l #	89
55) 1,1,2-Trichloroethane	10.797	97	67637	22.556	ug/l	93
56) Ethyl methacrylate	10.656	69	75436	20.592	ug/l	86
57) 1,3-Dichloropropane	10.938	76	111158	20.983	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	181986	107.063	ug/l	95
59) 2-Hexanone	10.979	43	173639	92.606	ug/l	98
60) Dibromochloromethane	11.132	129	87992	23.608	ug/l	100
61) 1,2-Dibromoethane	11.238	107	59868	20.894	ug/l	100
64) Tetrachloroethene	10.873	164	72611	19.605	ug/l	94
65) Chlorobenzene	11.661	112	232159	20.903	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	94795	23.213	ug/l	98
67) Ethyl Benzene	11.738	91	405894	19.974	ug/l	98
68) m/p-Xylenes	11.844	106	313570	40.568	ug/l	99
69) o-Xylene	12.173	106	151637	21.411	ug/l	97
70) Styrene	12.185	104	265184	21.808	ug/l	99
71) Bromoform	12.350	173	51818	23.960	ug/l #	97
73) Isopropylbenzene	12.473	105	429857	20.487	ug/l	100
74) N-amyl acetate	12.279	43	91825	18.562	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	79543	20.894	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	59319m	20.890	ug/l	
77) Bromobenzene	12.750	156	96954	20.849	ug/l	91
78) n-propylbenzene	12.808	91	532783	20.414	ug/l	100
79) 2-Chlorotoluene	12.897	91	302336	20.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	383315	22.053	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	25202	22.024	ug/l	90
82) 4-Chlorotoluene	12.997	91	317535	20.625	ug/l	98
83) tert-Butylbenzene	13.214	119	324900	22.279	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	374071	21.915	ug/l	99
85) sec-Butylbenzene	13.391	105	501287	22.061	ug/l	98
86) p-Isopropyltoluene	13.502	119	409485	22.180	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	210806	22.253	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	206152	21.791	ug/l	100
89) n-Butylbenzene	13.832	91	388568	21.460	ug/l	99
90) Hexachloroethane	14.102	117	82227	22.459	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	182375	22.504	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	12392	19.759	ug/l	90
93) 1,2,4-Trichlorobenzene	15.144	180	120015	24.699	ug/l	98
94) Hexachlorobutadiene	15.249	225	69560	25.657	ug/l	100
95) Naphthalene	15.385	128	202792	23.597	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	105903	25.530	ug/l	97

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

