

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073169.D
 Acq On : 20 May 2022 07:15
 Operator : VA/SY
 Sample : VD0519SBS03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0519SBS03

Manual Integrations
 APPROVED

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

Quant Time: May 20 07:54:31 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	273001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	516528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	511382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	247102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	177333	58.777	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.560%			
35) Dibromofluoromethane	7.908	113	175434	51.471	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.332	98	634718	50.518	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.620	95	224660	50.951	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	57473	21.068	ug/l	98
3) Chloromethane	2.209	50	69082	22.396	ug/l	99
4) Vinyl Chloride	2.350	62	58325	20.678	ug/l	93
5) Bromomethane	2.750	94	45181	22.790	ug/l	95
6) Chloroethane	2.915	64	40079	23.114	ug/l	100
7) Trichlorofluoromethane	3.268	101	99362	19.922	ug/l	92
8) Diethyl Ether	3.709	74	31844	23.236	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.085	101	57333	19.266	ug/l	97
10) Methyl Iodide	4.291	142	60978	18.993	ug/l	100
11) Tert butyl alcohol	5.203	59	37717	80.576	ug/l #	81
12) 1,1-Dichloroethene	4.062	96	55921	20.383	ug/l	88
13) Acrolein	3.926	56	24998	126.459	ug/l	95
14) Allyl chloride	4.709	41	89514	20.213	ug/l	90
15) Acrylonitrile	5.420	53	76220	121.624	ug/l	100
16) Acetone	4.156	43	60892	116.521	ug/l	99
17) Carbon Disulfide	4.403	76	188337	20.708	ug/l	100
18) Methyl Acetate	4.720	43	41028	28.234	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	142478	22.795	ug/l	94
20) Methylene Chloride	4.962	84	113553	32.891	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	72228	21.774	ug/l	91
22) Diisopropyl ether	6.362	45	217944	23.476	ug/l #	95
23) Vinyl Acetate	6.303	43	552971	111.668	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	135191	22.687	ug/l	99
25) 2-Butanone	7.209	43	92655	121.187	ug/l	94
26) 2,2-Dichloropropane	7.197	77	91107	17.928	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	81144	22.107	ug/l	88
28) Bromochloromethane	7.544	49	45279	22.056	ug/l	88
29) Tetrahydrofuran	7.567	42	59018	119.378	ug/l	92
30) Chloroform	7.703	83	142154	22.850	ug/l	99
31) Cyclohexane	7.979	56	98960	18.770	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	114114	20.973	ug/l	97
36) 1,1-Dichloropropene	8.103	75	97464	19.013	ug/l	99
37) Ethyl Acetate	7.291	43	42512	20.996	ug/l #	94
38) Carbon Tetrachloride	8.091	117	95633	18.404	ug/l	93
39) Methylcyclohexane	9.350	83	94107	16.473	ug/l	99
40) Benzene	8.344	78	305223	20.660	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	21034	17.830	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	89776	21.839	ug/l	96
43) Isopropyl Acetate	8.444	43	80019	21.381	ug/l #	92
44) Trichloroethene	9.103	130	78777	19.996	ug/l	99
45) 1,2-Dichloropropane	9.379	63	78313	21.049	ug/l	95
46) Dibromomethane	9.467	93	44018	21.541	ug/l	98
47) Bromodichloromethane	9.655	83	110150	21.067	ug/l #	96
48) Methyl methacrylate	9.450	41	40812	21.675	ug/l	90
49) 1,4-Dioxane	9.450	88	8504	402.989	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	216850	111.558	ug/l	97
52) Toluene	10.397	92	190991	20.458	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	98092	20.767	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	116460	20.603	ug/l	88
55) 1,1,2-Trichloroethane	10.791	97	60594	21.929	ug/l	97
56) Ethyl methacrylate	10.650	69	63543	20.683	ug/l	90
57) 1,3-Dichloropropane	10.932	76	103087	22.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	108625	89.604	ug/l	97
59) 2-Hexanone	10.973	43	142315	111.050	ug/l	98
60) Dibromochloromethane	11.132	129	74636	21.662	ug/l	99
61) 1,2-Dibromoethane	11.238	107	57218	21.670	ug/l	96
64) Tetrachloroethene	10.867	164	63007	18.811	ug/l	94
65) Chlorobenzene	11.661	112	208716	19.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	80323	20.645	ug/l	98
67) Ethyl Benzene	11.732	91	342976	18.623	ug/l	99
68) m/p-Xylenes	11.844	106	271650	37.966	ug/l	100
69) o-Xylene	12.167	106	124202	18.896	ug/l	97
70) Styrene	12.185	104	226070	19.991	ug/l	96
71) Bromoform	12.349	173	42979	21.463	ug/l #	100
73) Isopropylbenzene	12.467	105	312577	17.744	ug/l	99
74) N-amyl acetate	12.273	43	73213	19.051	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	68382	21.048	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	48629m	20.057	ug/l	
77) Bromobenzene	12.749	156	82816	19.971	ug/l	93
78) n-propylbenzene	12.808	91	401363	18.149	ug/l	99
79) 2-Chlorotoluene	12.896	91	245462	19.223	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	279550	18.734	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	17792	17.617	ug/l #	92
82) 4-Chlorotoluene	12.991	91	261804	19.561	ug/l	99
83) tert-Butylbenzene	13.208	119	217298	17.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	282636	19.173	ug/l	99
85) sec-Butylbenzene	13.391	105	343063	17.865	ug/l	99
86) p-Isopropyltoluene	13.502	119	278348	17.782	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	162930	19.493	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	161334	19.121	ug/l	99
89) n-Butylbenzene	13.826	91	248309	16.648	ug/l	99
90) Hexachloroethane	14.096	117	60384	18.643	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	145128	20.068	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10617	21.339	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	77252	18.815	ug/l	99
94) Hexachlorobutadiene	15.249	225	40142	17.350	ug/l	97
95) Naphthalene	15.379	128	137349	19.324	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	68103	18.710	ug/l	99

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

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