

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070142.D
 Acq On : 18 Aug 2021 23:59
 Operator : VA/SY
 Sample : VD0818SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Manual Integrations
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 8/19/2021 6:16:36 PM

Quant Time: Aug 19 07:35:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	440742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	836838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	815060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	384972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	305433	58.920	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.840%
35) Dibromofluoromethane	7.914	113	306286	56.651	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.300%
50) Toluene-d8	10.338	98	1179053	56.070	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.140%
62) 4-Bromofluorobenzene	12.626	95	387630	55.966	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	109655	22.415	ug/l	97
3) Chloromethane	2.209	50	156473	23.246	ug/l	99
4) Vinyl Chloride	2.344	62	155477	20.844	ug/l	99
5) Bromomethane	2.750	94	110269	24.788	ug/l	93
6) Chloroethane	2.909	64	103082	21.632	ug/l	98
7) Trichlorofluoromethane	3.262	101	182815	20.406	ug/l	94
8) Diethyl Ether	3.709	74	56866	22.180	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.085	101	116350	20.414	ug/l	99
10) Methyl Iodide	4.297	142	97305	18.672	ug/l	97
11) Tert butyl alcohol	5.232	59	35441	123.693	ug/l	100
12) 1,1-Dichloroethene	4.061	96	109655	20.942	ug/l	95
13) Acrolein	3.920	56	28272	85.663	ug/l	98
14) Allyl chloride	4.714	41	164960	21.114	ug/l	98
15) Acrylonitrile	5.414	53	131247	110.399	ug/l	99
16) Acetone	4.156	43	89435	93.655	ug/l	97
17) Carbon Disulfide	4.403	76	399319	21.093	ug/l	99
18) Methyl Acetate	4.714	43	74210	26.065	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	232041	21.352	ug/l	91
20) Methylene Chloride	4.961	84	176984	22.751	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	128457	21.120	ug/l	96
22) Diisopropyl ether	6.356	45	381167	23.197	ug/l	98
23) Vinyl Acetate	6.303	43	776186	104.228	ug/l	99
24) 1,1-Dichloroethane	6.261	63	252276	22.439	ug/l	96
25) 2-Butanone	7.214	43	140500	107.674	ug/l	99
26) 2,2-Dichloropropane	7.203	77	172262	19.679	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	145323	22.499	ug/l	97
28) Bromochloromethane	7.538	49	102513	25.057	ug/l	99
29) Tetrahydrofuran	7.561	42	91769	107.403	ug/l	98
30) Chloroform	7.714	83	249752	22.589	ug/l	98
31) Cyclohexane	7.979	56	197007	19.201	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	200411	21.691	ug/l	98
36) 1,1-Dichloropropene	8.108	75	180874	20.091	ug/l	99
37) Ethyl Acetate	7.291	43	70098	21.437	ug/l	98
38) Carbon Tetrachloride	8.097	117	167576	20.503	ug/l	90
39) Methylcyclohexane	9.349	83	185040	17.654	ug/l	97
40) Benzene	8.344	78	557482	21.350	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	39439	22.308	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	151300	22.609	ug/l	99
43) Isopropyl Acetate	8.450	43	131219	21.494	ug/l	99
44) Trichloroethene	9.108	130	131534	20.852	ug/l	95
45) 1,2-Dichloropropane	9.385	63	138571	20.430	ug/l	92
46) Dibromomethane	9.473	93	72534	22.017	ug/l	96
47) Bromodichloromethane	9.655	83	189585	22.243	ug/l	96
48) Methyl methacrylate	9.449	41	55306	18.998	ug/l	97
49) 1,4-Dioxane	9.455	88	16114	449.464	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	341851	107.694	ug/l	99
52) Toluene	10.396	92	342922	21.576	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	161468	21.388	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	193058	21.069	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	100292	21.487	ug/l	96
56) Ethyl methacrylate	10.655	69	110313	20.768	ug/l	98
57) 1,3-Dichloropropane	10.938	76	179212	22.178	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	289906	103.480	ug/l	100
59) 2-Hexanone	10.979	43	219150	103.089	ug/l	97
60) Dibromochloromethane	11.132	129	119758	22.397	ug/l	97
61) 1,2-Dibromoethane	11.238	107	95354	22.565	ug/l	100
64) Tetrachloroethene	10.873	164	105020	19.973	ug/l	93
65) Chlorobenzene	11.661	112	358166	21.032	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	127251	21.041	ug/l	100
67) Ethyl Benzene	11.738	91	597473	19.843	ug/l	98
68) m/p-Xylenes	11.849	106	480289	41.161	ug/l	97
69) o-Xylene	12.173	106	210041	19.950	ug/l	99
70) Styrene	12.190	104	387319	21.005	ug/l	99
71) Bromoform	12.349	173	63189	21.445	ug/l #	98
73) Isopropylbenzene	12.473	105	545442	19.429	ug/l	100
74) N-amyl acetate	12.279	43	117526	19.417	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	118338	21.126	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	91268m	23.377	ug/l	
77) Bromobenzene	12.749	156	130252	20.904	ug/l	98
78) n-propylbenzene	12.814	91	723131	19.974	ug/l	98
79) 2-Chlorotoluene	12.902	91	425765	20.440	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	481500	20.147	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	28589	19.007	ug/l	94
82) 4-Chlorotoluene	12.996	91	444895	20.398	ug/l	99
83) tert-Butylbenzene	13.214	119	376048	19.358	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	480810	20.281	ug/l	98
85) sec-Butylbenzene	13.390	105	598767	19.238	ug/l	99
86) p-Isopropyltoluene	13.502	119	486113	19.332	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	270681	20.446	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	268523	20.478	ug/l	97
89) n-Butylbenzene	13.832	91	449584	18.220	ug/l	99
90) Hexachloroethane	14.102	117	107632	20.284	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	234419	20.664	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	17367	20.757	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	123289	19.543	ug/l	98
94) Hexachlorobutadiene	15.249	225	68075	18.268	ug/l	95
95) Naphthalene	15.384	128	217581	18.951	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	106484	19.337	ug/l	98

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

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