

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063078.D
 Acq On : 15 Jul 2019 12:15
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:02 AM

Quant Time: Jul 16 07:44:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	773270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1074035	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	896168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	465413	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	471240	54.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.06%	
35) Dibromofluoromethane	6.91	113	493387	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	
50) Toluene-d8	10.40	98	1038994	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	13.55	95	478757	52.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	413906	42.506	ug/l	100
3) Chloromethane	1.75	50	335296	45.056	ug/l	100
4) Vinyl Chloride	1.83	62	352471	47.852	ug/l	100
5) Bromomethane	2.14	94	154589	46.036	ug/l	100
6) Chloroethane	2.26	64	175795	52.303	ug/l	100
7) Trichlorofluoromethane	2.52	101	796476	52.474	ug/l	100
8) Diethyl Ether	2.86	74	107410	56.055	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	397253	48.703	ug/l	100
10) Methyl Iodide	3.29	142	555729	51.731	ug/l	100
11) Tert butyl alcohol	4.08	59	135852	328.935	ug/l	100
12) 1,1-Dichloroethene	3.11	96	289359	47.538	ug/l	100
13) Acrolein	3.02	56	24695	71.392	ug/l	100
14) Allyl chloride	3.61	41	507401	55.313	ug/l	100
15) Acrylonitrile	4.18	53	286413	305.621	ug/l	100
16) Acetone	3.21	43	613370	306.078	ug/l	100
17) Carbon Disulfide	3.36	76	838319	43.975	ug/l	100
18) Methyl Acetate	3.64	43	147264	56.316	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	811908	59.628	ug/l	100
20) Methylene Chloride	3.80	84	390707	58.687	ug/l	100
21) trans-1,2-Dichloroethene	4.21	96	325997	50.062	ug/l	100
22) Diisopropyl ether	5.11	45	1111874	58.411	ug/l	100
23) Vinyl Acetate	5.04	43	3465455	292.238	ug/l	100
24) 1,1-Dichloroethane	4.96	63	682352	55.847	ug/l	100
25) 2-Butanone	6.06	43	545231	327.308	ug/l	100
26) 2,2-Dichloropropane	6.01	77	745036	57.300	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	399359	56.491	ug/l	100
28) Bromochloromethane	6.43	49	253022	57.952	ug/l	100
29) Tetrahydrofuran	6.45	42	244895	312.701	ug/l	100
30) Chloroform	6.65	83	821855	55.409	ug/l	100
31) Cyclohexane	6.93	56	405577	51.343	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	817936	53.581	ug/l	100
36) 1,1-Dichloropropene	7.13	75	527310	51.802	ug/l	100
37) Ethyl Acetate	6.18	43	248666	52.095	ug/l	100
38) Carbon Tetrachloride	7.10	117	817521m	53.085	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	439026	49.467	ug/l	100
40) Benzene	7.45	78	1165169	56.061	ug/l	100
41) Methacrylonitrile	6.43	41	318014	57.606	ug/l	100
42) 1,2-Dichloroethane	7.56	62	604583	53.968	ug/l	100
43) Isopropyl Acetate	9.23	43	351973	63.296	ug/l	100
44) Trichloroethene	8.53	130	425446	52.973	ug/l	100
45) 1,2-Dichloropropane	8.93	63	279104	54.126	ug/l	100
46) Dibromomethane	9.06	93	249612	55.931	ug/l	100
47) Bromodichloromethane	9.37	83	650695	56.821	ug/l	100
48) Methyl methacrylate	9.11	41	225447	57.463	ug/l	100
49) 1,4-Dioxane	9.07	88	42386	1273.090	ug/l	100
51) 4-Methyl-2-Pentanone	10.29	43	1196789	302.864	ug/l	100
52) Toluene	10.50	92	748542	54.051	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	564616	58.980	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	597388	57.866	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	269165	55.536	ug/l	100
56) Ethyl methacrylate	11.03	69	306077	58.977	ug/l	100
57) 1,3-Dichloropropane	11.40	76	393465	53.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	918958	331.431	ug/l	100
59) 2-Hexanone	11.52	43	939347	328.993	ug/l	100
60) Dibromochloromethane	11.68	129	526301	58.209	ug/l	100
61) 1,2-Dibromoethane	11.80	107	315429	55.578	ug/l	100
64) Tetrachloroethene	11.25	164	372263	50.134	ug/l	100
65) Chlorobenzene	12.39	112	967995	56.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	441265	55.538	ug/l	100
67) Ethyl Benzene	12.52	91	1623494	53.335	ug/l	100
68) m/p-Xylenes	12.66	106	1142118	108.414	ug/l	100
69) o-Xylene	13.05	106	561040	57.774	ug/l	100
70) Styrene	13.07	104	1006018	58.451	ug/l	100
71) Bromoform	13.22	173	324432	58.875	ug/l	100
73) Isopropylbenzene	13.40	105	1658495	54.458	ug/l	100
74) N-amyl acetate	13.26	43	494805	64.928	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	318575	61.779	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	355679	62.787	ug/l	100
77) Bromobenzene	13.67	156	480300	58.219	ug/l	100
78) n-propylbenzene	13.77	91	2030366	56.420	ug/l	100
79) 2-Chlorotoluene	13.83	91	1167887	57.011	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	1432624	55.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	91679	61.911	ug/l	100
82) 4-Chlorotoluene	13.94	91	1369654	55.637	ug/l	100
83) tert-Butylbenzene	14.19	119	1692019	58.503	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1472665	56.132	ug/l	100
85) sec-Butylbenzene	14.37	105	1756175	56.048	ug/l	100
86) p-Isopropyltoluene	14.48	119	1583200	56.020	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	830190	56.258	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	814720	55.184	ug/l	100
89) n-Butylbenzene	14.79	91	1488250	55.501	ug/l	100
90) Hexachloroethane	15.01	117	450894	58.719	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	758774	59.198	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.37	75	62114	62.519	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	594615	59.108	ug/l	100
94) Hexachlorobutadiene	16.03	225	440678	57.928	ug/l	100
95) Naphthalene	16.12	128	826222	59.311	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	486102	62.300	ug/l	100

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

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