

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060794.D
 Acq On : 28 Jan 2019 16:39
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:41 PM

Quant Time: Jan 29 13:44:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	581757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	786921	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	638110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	334223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.22	65	420423	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	6.67	113	386058	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.19	98	863869	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	13.36	95	431364	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	375147	53.038	ug/l	100
3) Chloromethane	1.76	50	206801	48.833	ug/l	100
4) Vinyl Chloride	1.84	62	240681	53.542	ug/l	100
5) Bromomethane	2.14	94	77698m	51.475	ug/l	
6) Chloroethane	2.24	64	92083	56.915	ug/l	100
7) Trichlorofluoromethane	2.49	101	483642	54.657	ug/l	100
8) Diethyl Ether	2.79	74	70232	53.864	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.06	101	232097	51.756	ug/l	100
10) Methyl Iodide	3.21	142	268194	57.123	ug/l	100
11) Tert butyl alcohol	3.93	59	113977	267.413	ug/l	100
12) 1,1-Dichloroethene	3.04	96	160830	52.483	ug/l	100
13) Acrolein	2.95	56	36519	211.045	ug/l	100
14) Allyl chloride	3.49	41	364226	51.073	ug/l	100
15) Acrylonitrile	4.04	53	255734	267.783	ug/l	100
16) Acetone	3.13	43	339463	264.534	ug/l	100
17) Carbon Disulfide	3.28	76	552400	50.889	ug/l	100
18) Methyl Acetate	3.51	43	140986	55.209	ug/l	100
19) Methyl tert-butyl Ether	4.07	73	781409	55.853	ug/l	100
20) Methylene Chloride	3.68	84	301906	45.978	ug/l	100
21) trans-1,2-Dichloroethene	4.06	96	283651	52.507	ug/l	100
22) Diisopropyl ether	4.88	45	961017	52.295	ug/l	100
23) Vinyl Acetate	4.83	43	2787673	263.416	ug/l	100
24) 1,1-Dichloroethane	4.76	63	625110	51.961	ug/l	100
25) 2-Butanone	5.84	43	451773	274.000	ug/l	100
26) 2,2-Dichloropropane	5.79	77	645669	50.936	ug/l	100
27) cis-1,2-Dichloroethene	5.80	96	307608	49.996	ug/l	100
28) Bromochloromethane	6.19	49	239056	50.938	ug/l	100
29) Tetrahydrofuran	6.23	42	220688	278.720	ug/l	100
30) Chloroform	6.42	83	743809	52.310	ug/l	100
31) Cyclohexane	6.71	56	439596	53.705	ug/l	100
32) 1,1,1-Trichloroethane	6.63	97	695428	50.787	ug/l	100
36) 1,1-Dichloropropene	6.90	75	504981	53.746	ug/l	100
37) Ethyl Acetate	5.94	43	216323	51.577	ug/l	100
38) Carbon Tetrachloride	6.87	117	646313	54.856	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	413948	52.609	ug/l	100
40) Benzene	7.22	78	970356	52.328	ug/l	100
41) Methacrylonitrile	6.21	41	139884m	50.720	ug/l	
42) 1,2-Dichloroethane	7.33	62	610797	56.698	ug/l	100
43) Isopropyl Acetate	9.01	43	308281	56.355	ug/l	100
44) Trichloroethene	8.30	130	334971	53.285	ug/l	100
45) 1,2-Dichloropropane	8.70	63	266933	53.176	ug/l	100
46) Dibromomethane	8.83	93	215673	55.345	ug/l	100
47) Bromodichloromethane	9.14	83	557322	52.985	ug/l	100
48) Methyl methacrylate	8.89	41	204794	54.290	ug/l	100
49) 1,4-Dioxane	8.85	88	36634	1252.601	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	980400	276.753	ug/l	100
52) Toluene	10.29	92	632625	53.782	ug/l	100
53) t-1,3-Dichloropropene	10.69	75	487947	52.738	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	510651	53.822	ug/l	100
55) 1,1,2-Trichloroethane	10.98	97	227641	56.762	ug/l	100
56) Ethyl methacrylate	10.82	69	269171	55.405	ug/l	100
57) 1,3-Dichloropropane	11.19	76	379516	55.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.63	63	561911	220.436	ug/l	100
59) 2-Hexanone	11.32	43	728914	273.656	ug/l	100
60) Dibromochloromethane	11.47	129	417180	57.862	ug/l	100
61) 1,2-Dibromoethane	11.60	107	264615	56.026	ug/l	100
64) Tetrachloroethene	11.03	164	317722	54.253	ug/l	100
65) Chlorobenzene	12.19	112	783753	53.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	336405	53.696	ug/l	100
67) Ethyl Benzene	12.31	91	1363810	52.011	ug/l	100
68) m/p-Xylenes	12.46	106	880948	103.264	ug/l	100
69) o-Xylene	12.85	106	427023	50.574	ug/l	100
70) Styrene	12.87	104	712372	50.312	ug/l	100
71) Bromoform	13.03	173	268510	56.885	ug/l	100
73) Isopropylbenzene	13.20	105	1390064	52.164	ug/l	100
74) N-amyl acetate	13.06	43	444683	54.281	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.50	83	261587	53.913	ug/l	100
76) 1,2,3-Trichloropropane	13.54	75	330277	53.889	ug/l	100
77) Bromobenzene	13.47	156	342442	49.991	ug/l	100
78) n-propylbenzene	13.57	91	1663329	49.722	ug/l	100
79) 2-Chlorotoluene	13.64	91	1002866	49.151	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	1109873	48.380	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	87487	54.753	ug/l	100
82) 4-Chlorotoluene	13.75	91	1193314	52.622	ug/l	100
83) tert-Butylbenzene	13.99	119	1182250	49.258	ug/l	100
84) 1,2,4-Trimethylbenzene	14.04	105	1109873	48.380	ug/l	100
85) sec-Butylbenzene	14.17	105	1369963	50.143	ug/l	100
86) p-Isopropyltoluene	14.29	119	1161523	52.364	ug/l	100
87) 1,3-Dichlorobenzene	14.25	146	614972	50.193	ug/l	100
88) 1,4-Dichlorobenzene	14.34	146	629993	52.921	ug/l	100
89) n-Butylbenzene	14.60	91	1195092	51.639	ug/l	100
90) Hexachloroethane	14.81	117	342083	51.824	ug/l	100
91) 1,2-Dichlorobenzene	14.61	146	517053	50.842	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.19	75	59821	51.895	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	443751	50.393	ug/l	100
94) Hexachlorobutadiene	15.84	225	360653	54.586	ug/l	100
95) Naphthalene	15.93	128	722538	53.404	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	391698	51.155	ug/l	100

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

