

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061644.D
 Acq On : 6 Apr 2019 15:39
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 2:57:31 AM

Quant Time: Apr 08 07:30:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	733293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1180789	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1007446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	417646	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	274394	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
35) Dibromofluoromethane	6.92	113	415057	51.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.62%	
50) Toluene-d8	10.40	98	954287	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	13.55	95	386281	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	395927	51.457	ug/l	100
3) Chloromethane	1.75	50	310873	50.070	ug/l	100
4) Vinyl Chloride	1.85	62	290150	48.650	ug/l	100
5) Bromomethane	2.16	94	67657	50.625	ug/l	100
6) Chloroethane	2.27	64	107108	57.157	ug/l	100
7) Trichlorofluoromethane	2.53	101	432986	49.328	ug/l	100
8) Diethyl Ether	2.86	74	127723	50.240	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	440581	50.418	ug/l	100
10) Methyl Iodide	3.31	142	669750	59.548	ug/l	100
11) Tert butyl alcohol	4.05	59	95966	257.150	ug/l	100
12) 1,1-Dichloroethene	3.13	96	388240	51.228	ug/l	100
13) Acrolein	3.03	56	93429	208.421	ug/l	100
14) Allyl chloride	3.62	41	545402	51.808	ug/l	100
15) Acrylonitrile	4.19	53	335637	272.944	ug/l	100
16) Acetone	3.22	43	449120	278.596	ug/l	100
17) Carbon Disulfide	3.38	76	1302784	52.871	ug/l	100
18) Methyl Acetate	3.63	43	153847	49.100	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	687794	52.962	ug/l	100
20) Methylene Chloride	3.81	84	425096	46.157	ug/l	100
21) trans-1,2-Dichloroethene	4.21	96	441338	54.001	ug/l	100
22) Diisopropyl ether	5.12	45	1063940	49.277	ug/l	100
23) Vinyl Acetate	5.05	43	3185952	266.951	ug/l	100
24) 1,1-Dichloroethane	4.98	63	673923	50.648	ug/l	100
25) 2-Butanone	6.06	43	496360	263.462	ug/l	100
26) 2,2-Dichloropropane	6.02	77	555291	51.366	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	456698	52.435	ug/l	100
28) Bromochloromethane	6.44	49	260833	54.891	ug/l	100
29) Tetrahydrofuran	6.45	42	230437	255.399	ug/l	100
30) Chloroform	6.66	83	700300	50.572	ug/l	100
31) Cyclohexane	6.95	56	544617	53.380	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	616320	50.672	ug/l	100
36) 1,1-Dichloropropene	7.15	75	550690	52.163	ug/l	100
37) Ethyl Acetate	6.17	43	232835	53.127	ug/l	100
38) Carbon Tetrachloride	7.11	117	615988m	50.512	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	586771	53.315	ug/l	100
40) Benzene	7.45	78	1361629	53.306	ug/l	100
41) Methacrylonitrile	6.44	41	259514	52.539	ug/l	100
42) 1,2-Dichloroethane	7.57	62	428576	53.085	ug/l	100
43) Isopropyl Acetate	9.23	43	329854	52.374	ug/l	100
44) Trichloroethene	8.53	130	514262	52.849	ug/l	100
45) 1,2-Dichloropropane	8.94	63	330610	52.838	ug/l	100
46) Dibromomethane	9.06	93	231620	52.224	ug/l	100
47) Bromodichloromethane	9.37	83	501175	50.552	ug/l	100
48) Methyl methacrylate	9.11	41	185950	53.397	ug/l	100
49) 1,4-Dioxane	9.08	88	42013	1089.961	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	945947	255.077	ug/l	100
52) Toluene	10.50	92	828896	52.385	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	473398	54.069	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	585327	54.269	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	270546	51.858	ug/l	100
56) Ethyl methacrylate	11.03	69	297848	52.544	ug/l	100
57) 1,3-Dichloropropane	11.40	76	414567	52.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	654486	254.850	ug/l	100
59) 2-Hexanone	11.53	43	738928	264.024	ug/l	100
60) Dibromochloromethane	11.68	129	444421	53.518	ug/l	100
61) 1,2-Dibromoethane	11.80	107	333426	54.159	ug/l	100
64) Tetrachloroethene	11.25	164	371066	48.268	ug/l	100
65) Chlorobenzene	12.39	112	1023606	51.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	379503	48.049	ug/l	100
67) Ethyl Benzene	12.52	91	1423170	44.982	ug/l	100
68) m/p-Xylenes	12.67	106	1197898	102.505	ug/l	100
69) o-Xylene	13.04	106	565302	50.018	ug/l	100
70) Styrene	13.07	104	914611	47.257	ug/l	100
71) Bromoform	13.23	173	233239	49.484	ug/l	100
73) Isopropylbenzene	13.40	105	1421989	50.588	ug/l	100
74) N-amyl acetate	13.26	43	430427	56.657	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	311324	55.388	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	316892	56.544	ug/l	100
77) Bromobenzene	13.66	156	445240	54.065	ug/l	100
78) n-propylbenzene	13.77	91	1669732	50.499	ug/l	100
79) 2-Chlorotoluene	13.84	91	1069856	56.584	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1167567	52.925	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	94356	54.397	ug/l	100
82) 4-Chlorotoluene	13.95	91	1095513	53.028	ug/l	100
83) tert-Butylbenzene	14.18	119	1502486	56.927	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1183504	52.206	ug/l	100
85) sec-Butylbenzene	14.36	105	1568443	55.638	ug/l	100
86) p-Isopropyltoluene	14.49	119	1362517	52.391	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	736221	52.493	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	741406	53.370	ug/l	100
89) n-Butylbenzene	14.80	91	1153803	51.678	ug/l	100
90) Hexachloroethane	15.00	117	367467	54.740	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	611294	53.151	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40026	56.917	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	332364	57.123	ug/l	100
94) Hexachlorobutadiene	16.04	225	272907	60.956	ug/l	100
95) Naphthalene	16.12	128	534067	58.201	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	181057	62.847	ug/l	100

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

