

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061695.D
 Acq On : 10 Apr 2019 2:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 3:00:09 AM

Quant Time: Apr 10 05:15:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	612880	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	1023777	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	818065	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	370797	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	234286	50.43	ug/l	0.03
Spiked Amount 50.000			Recovery	=	100.86%	
35) Dibromofluoromethane	6.95	113	343461	48.43	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.86%	
50) Toluene-d8	10.43	98	725596	40.72	ug/l	0.03
Spiked Amount 50.000			Recovery	=	81.44%	
62) 4-Bromofluorobenzene	13.56	95	303462	48.05	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	278822	42.169	ug/l	100
3) Chloromethane	1.76	50	222035	41.555	ug/l	98
4) Vinyl Chloride	1.86	62	206711	41.402	ug/l	99
5) Bromomethane	2.17	94	50134	43.383	ug/l	99
6) Chloroethane	2.28	64	82294	52.624	ug/l	97
7) Trichlorofluoromethane	2.55	101	312117	41.403	ug/l	94
8) Diethyl Ether	2.89	74	115747	54.710	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	315737	42.601	ug/l	98
10) Methyl Iodide	3.33	142	513288	46.702	ug/l	98
11) Tert butyl alcohol	4.08	59	82299	264.336	ug/l #	93
12) 1,1-Dichloroethene	3.15	96	274274	42.928	ug/l	99
13) Acrolein	3.05	56	100398	264.488	ug/l	94
14) Allyl chloride	3.65	41	405877	46.576	ug/l	98
15) Acrylonitrile	4.22	53	269522	251.480	ug/l	96
16) Acetone	3.24	43	283846	204.393	ug/l	99
17) Carbon Disulfide	3.41	76	830950	40.026	ug/l	100
18) Methyl Acetate	3.66	43	139556	53.412	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	570969	51.611	ug/l	99
20) Methylene Chloride	3.84	84	349637	44.368	ug/l	99
21) trans-1,2-Dichloroethene	4.24	96	319208	46.000	ug/l	95
22) Diisopropyl ether	5.14	45	942085	51.563	ug/l #	86
23) Vinyl Acetate	5.09	43	2578342	255.755	ug/l	100
24) 1,1-Dichloroethane	5.02	63	507035	45.287	ug/l	99
25) 2-Butanone	6.09	43	390557	243.951	ug/l	99
26) 2,2-Dichloropropane	6.05	77	401917	44.087	ug/l	100
27) cis-1,2-Dichloroethene	6.06	96	370305	50.021	ug/l	99
28) Bromochloromethane	6.47	49	246176	59.606	ug/l	99
29) Tetrahydrofuran	6.49	42	206344	266.994	ug/l	98
30) Chloroform	6.69	83	553176	47.164	ug/l	97
31) Cyclohexane	6.99	56	370882	42.403	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	500889	48.733	ug/l	100
36) 1,1-Dichloropropene	7.18	75	386804	43.170	ug/l	100
37) Ethyl Acetate	6.21	43	186831	51.194	ug/l #	97
38) Carbon Tetrachloride	7.15	117	492072m	46.859	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	391007	42.506	ug/l	97
40) Benzene	7.48	78	1064639	49.253	ug/l	98
41) Methacrylonitrile	6.48	41	234665	55.082	ug/l #	92
42) 1,2-Dichloroethane	7.61	62	359802	52.928	ug/l	98
43) Isopropyl Acetate	9.26	43	276221	52.151	ug/l	99
44) Trichloroethene	8.56	130	367002	44.288	ug/l	96
45) 1,2-Dichloropropane	8.97	63	252543	47.111	ug/l	99
46) Dibromomethane	9.09	93	197346	51.510	ug/l	99
47) Bromodichloromethane	9.40	83	452202	53.742	ug/l	99
48) Methyl methacrylate	9.14	41	159959	52.393	ug/l	97
49) 1,4-Dioxane	9.10	88	34508	1023.986	ug/l #	83
51) 4-Methyl-2-Pentanone	10.33	43	841465	268.639	ug/l	98
52) Toluene	10.53	92	663285	49.140	ug/l	99
53) t-1,3-Dichloropropene	10.94	75	377602	51.195	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	470856	51.786	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	229209	50.349	ug/l	98
56) Ethyl methacrylate	11.06	69	248616	51.768	ug/l	98
57) 1,3-Dichloropropane	11.43	76	348928	52.338	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	625945	276.231	ug/l	100
59) 2-Hexanone	11.55	43	594731	244.651	ug/l	98
60) Dibromochloromethane	11.70	129	391401	54.419	ug/l	99
61) 1,2-Dibromoethane	11.82	107	285697	53.663	ug/l	94
64) Tetrachloroethene	11.28	164	296713	46.726	ug/l	97
65) Chlorobenzene	12.41	112	736522	45.399	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	323795	51.867	ug/l	97
67) Ethyl Benzene	12.54	91	1187245	48.058	ug/l	99
68) m/p-Xylenes	12.69	106	867296	91.063	ug/l	99
69) o-Xylene	13.06	106	424965	46.224	ug/l	99
70) Styrene	13.08	104	713281	45.429	ug/l	98
71) Bromoform	13.25	173	208393	53.801	ug/l #	98
73) Isopropylbenzene	13.42	105	1208003	48.894	ug/l	99
74) N-amyl acetate	13.28	43	356903	53.167	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	267482	52.360	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	267371	53.000	ug/l	98
77) Bromobenzene	13.68	156	364602	50.841	ug/l	90
78) n-propylbenzene	13.79	91	1480092	50.081	ug/l	95
79) 2-Chlorotoluene	13.85	91	806952	47.747	ug/l	96
80) 1,3,5-Trimethylbenzene	13.95	105	978530	49.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.49	75	80864	52.823	ug/l	90
82) 4-Chlorotoluene	13.96	91	941940	50.862	ug/l	96
83) tert-Butylbenzene	14.20	119	1135120	48.009	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	954514	48.229	ug/l	96
85) sec-Butylbenzene	14.38	105	1145116	44.827	ug/l	95
86) p-Isopropyltoluene	14.50	119	1047983	47.290	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	607348	49.210	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	618861	49.696	ug/l	99
89) n-Butylbenzene	14.81	91	905928	47.033	ug/l	99
90) Hexachloroethane	15.02	117	323994	53.882	ug/l	68
91) 1,2-Dichlorobenzene	14.82	146	520514	51.171	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.40	75	36023	58.435	ug/l	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	294137	56.757	ug/l	99
94) Hexachlorobutadiene	16.05	225	223883	55.948	ug/l	98
95) Naphthalene	16.13	128	529220	64.539	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	186162	71.977	ug/l	99

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

