

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061758.D
 Acq On : 12 Apr 2019 1:01
 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
 4/12/2019 11:42:43 AM

Quant Time: Apr 12 02:56:07 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	7.03	168	500566	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	791117	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.35	117	629289	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	308459	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	179616	47.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	6.91	113	275387	50.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.39	98	586667	42.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	85.22%	
62) 4-Bromofluorobenzene	13.54	95	248046	51.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	275473	51.011	ug/l	97
3) Chloromethane	1.74	50	202513	46.406	ug/l	97
4) Vinyl Chloride	1.84	62	211023	51.749	ug/l	98
5) Bromomethane	2.14	94	53108	56.268	ug/l	99
6) Chloroethane	2.25	64	78956	61.819	ug/l	98
7) Trichlorofluoromethane	2.52	101	336568	54.664	ug/l	99
8) Diethyl Ether	2.85	74	98655	57.094	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	302272	49.936	ug/l	97
10) Methyl Iodide	3.30	142	494111	54.391	ug/l	96
11) Tert butyl alcohol	4.03	59	73825	290.321	ug/l	98
12) 1,1-Dichloroethene	3.12	96	251552	48.206	ug/l	96
13) Acrolein	3.02	56	72270	233.106	ug/l	100
14) Allyl chloride	3.60	41	387515	54.447	ug/l	99
15) Acrylonitrile	4.16	53	228511	261.054	ug/l	97
16) Acetone	3.20	43	256503	226.147	ug/l	97
17) Carbon Disulfide	3.36	76	796568	46.979	ug/l	99
18) Methyl Acetate	3.62	43	126329	59.199	ug/l	94
19) Methyl tert-butyl Ether	4.21	73	520344	57.589	ug/l	97
20) Methylene Chloride	3.80	84	316204	49.129	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	290153	51.194	ug/l	96
22) Diisopropyl ether	5.09	45	838703	56.205	ug/l	93
23) Vinyl Acetate	5.03	43	2378816	288.907	ug/l	100
24) 1,1-Dichloroethane	4.96	63	508011	55.555	ug/l	100
25) 2-Butanone	6.04	43	355550	271.915	ug/l	100
26) 2,2-Dichloropropane	6.00	77	396446	53.245	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	339047	56.074	ug/l	96
28) Bromochloromethane	6.42	49	187454	55.572	ug/l	93
29) Tetrahydrofuran	6.43	42	176381	279.432	ug/l	98
30) Chloroform	6.64	83	556822	58.127	ug/l	99
31) Cyclohexane	6.94	56	351451	49.198	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	467612	55.704	ug/l	98
36) 1,1-Dichloropropene	7.13	75	361369	52.193	ug/l	99
37) Ethyl Acetate	6.16	43	178245	63.205	ug/l	99
38) Carbon Tetrachloride	7.10	117	494369m	60.923	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	364055	51.215	ug/l	97
40) Benzene	7.43	78	957980	57.353	ug/l	100
41) Methacrylonitrile	6.43	41	203177	61.716	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	340955	64.906	ug/l	99
43) Isopropyl Acetate	9.22	43	240531	58.769	ug/l	98
44) Trichloroethene	8.52	130	352228	55.005	ug/l	100
45) 1,2-Dichloropropane	8.92	63	244342	58.986	ug/l	98
46) Dibromomethane	9.04	93	186348	62.944	ug/l	99
47) Bromodichloromethane	9.36	83	418739	64.400	ug/l	98
48) Methyl methacrylate	9.10	41	155361	65.852	ug/l	97
49) 1,4-Dioxane	9.06	88	31931	1226.171	ug/l #	87
51) 4-Methyl-2-Pentanone	10.29	43	778076	321.454	ug/l	99
52) Toluene	10.49	92	606329	58.131	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	367111	64.410	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	438357	62.390	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	214473	60.968	ug/l	98
56) Ethyl methacrylate	11.02	69	226534	61.043	ug/l	97
57) 1,3-Dichloropropane	11.40	76	308230	59.831	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	495831	283.162	ug/l	99
59) 2-Hexanone	11.52	43	505139	268.907	ug/l	99
60) Dibromochloromethane	11.67	129	347916	62.599	ug/l	100
61) 1,2-Dibromoethane	11.79	107	268458	65.255	ug/l	96
64) Tetrachloroethene	11.24	164	273071	55.903	ug/l	98
65) Chlorobenzene	12.38	112	751231	60.197	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	303176	63.133	ug/l	94
67) Ethyl Benzene	12.51	91	1075304	56.584	ug/l	99
68) m/p-Xylenes	12.66	106	851526	116.228	ug/l	94
69) o-Xylene	13.04	106	423659	59.905	ug/l	97
70) Styrene	13.06	104	673425	55.757	ug/l	98
71) Bromoform	13.23	173	192065	64.461	ug/l #	98
73) Isopropylbenzene	13.40	105	1163767	56.623	ug/l	97
74) N-amyl acetate	13.26	43	323204	57.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	240783	56.659	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	237809	56.667	ug/l	96
77) Bromobenzene	13.66	156	342049	57.335	ug/l	86
78) n-propylbenzene	13.77	91	1280594	52.087	ug/l	95
79) 2-Chlorotoluene	13.83	91	700857	49.850	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	828902	50.812	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	69525	54.595	ug/l	91
82) 4-Chlorotoluene	13.94	91	805327	52.274	ug/l	94
83) tert-Butylbenzene	14.18	119	1062426	54.016	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	870035	52.844	ug/l	97
85) sec-Butylbenzene	14.36	105	1155508	54.375	ug/l	97
86) p-Isopropyltoluene	14.48	119	996337	54.046	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	572870	55.797	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	545874	52.693	ug/l	96
89) n-Butylbenzene	14.79	91	930702	58.084	ug/l	97
90) Hexachloroethane	15.00	117	293790	58.733	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	496567	58.683	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	34189	66.668	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	261462	60.648	ug/l	96
94) Hexachlorobutadiene	16.03	225	189336	56.877	ug/l	98
95) Naphthalene	16.11	128	430650	63.132	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	142413	66.190	ug/l	97

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

