

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063266.D
 Acq On : 31 Jul 2019 4:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 31 07:00:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	783207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1154269	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1082859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	595193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	552762	63.61	ug/l	0.02
Spiked Amount	50.000		Recovery	=	127.22%	
35) Dibromofluoromethane	6.92	113	566797	57.51	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.02%	
50) Toluene-d8	10.41	98	1224189	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
62) 4-Bromofluorobenzene	13.55	95	587207	58.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	410145	42.841	ug/l	100
3) Chloromethane	1.75	50	332285	44.673	ug/l	91
4) Vinyl Chloride	1.84	62	333451	43.304	ug/l	98
5) Bromomethane	2.15	94	201274	51.828	ug/l	97
6) Chloroethane	2.27	64	171603	48.269	ug/l #	83
7) Trichlorofluoromethane	2.53	101	680874	45.579	ug/l	99
8) Diethyl Ether	2.87	74	105864	50.636	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	382784	46.259	ug/l	99
10) Methyl Iodide	3.30	142	591315	49.466	ug/l	96
11) Tert butyl alcohol	4.08	59	104582	274.221	ug/l #	84
12) 1,1-Dichloroethene	3.12	96	273354	44.998	ug/l	85
13) Acrolein	3.03	56	75779	206.460	ug/l	85
14) Allyl chloride	3.62	41	462901	47.833	ug/l	89
15) Acrylonitrile	4.20	53	265840	268.864	ug/l	96
16) Acetone	3.22	43	429396	253.595	ug/l	99
17) Carbon Disulfide	3.37	76	943538	46.404	ug/l	97
18) Methyl Acetate	3.65	43	200042	61.506	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	756965	55.163	ug/l	98
20) Methylene Chloride	3.81	84	354387	51.779	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	331439	48.625	ug/l	94
22) Diisopropyl ether	5.12	45	1031264	53.338	ug/l	99
23) Vinyl Acetate	5.05	43	3153973	265.375	ug/l	98
24) 1,1-Dichloroethane	4.98	63	640218	51.840	ug/l	97
25) 2-Butanone	6.07	43	482360	283.857	ug/l	92
26) 2,2-Dichloropropane	6.02	77	580792	45.634	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	393099	53.790	ug/l	94
28) Bromochloromethane	6.44	49	291678	59.277	ug/l	93
29) Tetrahydrofuran	6.46	42	224591	279.157	ug/l	98
30) Chloroform	6.67	83	833163	54.361	ug/l	94
31) Cyclohexane	6.95	56	311603	40.253	ug/l	87
32) 1,1,1-Trichloroethane	6.86	97	760244	51.282	ug/l	98
36) 1,1-Dichloropropene	7.14	75	492806	46.782	ug/l	94
37) Ethyl Acetate	6.19	43	235896	49.845	ug/l #	94
38) Carbon Tetrachloride	7.11	117	825211	52.035	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	358932	40.896	ug/l	95
40) Benzene	7.46	78	1103299	49.974	ug/l	97
41) Methacrylonitrile	6.45	41	325466	57.492	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	654527	55.939	ug/l	98
43) Isopropyl Acetate	9.24	43	324991	53.759	ug/l	98
44) Trichloroethene	8.54	130	433254	48.429	ug/l	99
45) 1,2-Dichloropropane	8.94	63	280141	49.922	ug/l	97
46) Dibromomethane	9.06	93	248887	53.341	ug/l	91
47) Bromodichloromethane	9.37	83	660373	55.522	ug/l	96
48) Methyl methacrylate	9.12	41	221562	56.509	ug/l	94
49) 1,4-Dioxane	9.07	88	38047	1146.129	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	1181456	287.364	ug/l	100
52) Toluene	10.51	92	792632	53.980	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	537881	52.455	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	576750	53.517	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	266098	53.657	ug/l	98
56) Ethyl methacrylate	11.04	69	284907	52.464	ug/l	94
57) 1,3-Dichloropropane	11.40	76	420326	53.793	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	765647	270.957	ug/l	100
59) 2-Hexanone	11.53	43	832211	280.885	ug/l	99
60) Dibromochloromethane	11.69	129	531569	56.778	ug/l	97
61) 1,2-Dibromoethane	11.81	107	358033	58.508	ug/l	95
64) Tetrachloroethene	11.25	164	423649	49.109	ug/l	97
65) Chlorobenzene	12.40	112	997458	47.890	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	458362	49.960	ug/l	96
67) Ethyl Benzene	12.52	91	1656065	46.805	ug/l	99
68) m/p-Xylenes	12.66	106	1146362	88.346	ug/l	93
69) o-Xylene	13.05	106	569109	47.761	ug/l	90
70) Styrene	13.07	104	969692	45.888	ug/l	97
71) Bromoform	13.23	173	349637	52.404	ug/l	99
73) Isopropylbenzene	13.40	105	1568094	41.977	ug/l	98
74) N-amyl acetate	13.26	43	474029	48.001	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	336725	53.065	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	354997	49.657	ug/l	99
77) Bromobenzene	13.67	156	503160	47.282	ug/l	96
78) n-propylbenzene	13.78	91	1845391	41.512	ug/l	96
79) 2-Chlorotoluene	13.83	91	1120347	43.494	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	1329368	41.260	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	91461	46.073	ug/l	92
82) 4-Chlorotoluene	13.94	91	1356969	44.763	ug/l	93
83) tert-Butylbenzene	14.19	119	1625565	44.187	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1445067	43.362	ug/l	100
85) sec-Butylbenzene	14.37	105	1644449	42.427	ug/l	99
86) p-Isopropyltoluene	14.48	119	1539849	41.624	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	901562	47.840	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	885391	46.460	ug/l	96
89) n-Butylbenzene	14.80	91	1381926	43.251	ug/l	98
90) Hexachloroethane	15.01	117	405536	42.075	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	775612	47.237	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63406	49.055	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	558760	42.896	ug/l	96
94) Hexachlorobutadiene	16.04	225	401668	42.551	ug/l	97
95) Naphthalene	16.12	128	888941	48.284	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	487678	47.392	ug/l	98

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

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