

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061223.D
 Acq On : 20 Mar 2019 23:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 22 02:04:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	570842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	998103	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	803856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	316095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	234146	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	6.91	113	391356	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	10.40	98	882385	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	13.55	95	358105	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	241143	42.646	ug/l	100
3) Chloromethane	1.75	50	212374	45.086	ug/l	97
4) Vinyl Chloride	1.84	62	196362	45.114	ug/l	95
5) Bromomethane	2.15	94	41896	55.494	ug/l	96
6) Chloroethane	2.26	64	69726	53.520	ug/l	92
7) Trichlorofluoromethane	2.52	101	270699	43.293	ug/l	99
8) Diethyl Ether	2.87	74	118522	57.459	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	338698	48.451	ug/l	95
10) Methyl Iodide	3.30	142	491856	51.028	ug/l	98
11) Tert butyl alcohol	4.04	59	86699	286.612	ug/l	98
12) 1,1-Dichloroethene	3.12	96	274193	47.851	ug/l	92
13) Acrolein	3.03	56	126313	288.594	ug/l	95
14) Allyl chloride	3.61	41	426788	46.551	ug/l	94
15) Acrylonitrile	4.18	53	305897	286.121	ug/l	96
16) Acetone	3.21	43	306767	225.769	ug/l	100
17) Carbon Disulfide	3.37	76	824174	42.638	ug/l	100
18) Methyl Acetate	3.63	43	178724	66.837	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	616621	61.404	ug/l	96
20) Methylene Chloride	3.80	84	322526	52.271	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	321573	51.849	ug/l	95
22) Diisopropyl ether	5.10	45	960718	50.479	ug/l	99
23) Vinyl Acetate	5.04	43	2510088	256.917	ug/l	100
24) 1,1-Dichloroethane	4.97	63	555938	53.313	ug/l	99
25) 2-Butanone	6.06	43	422508	274.032	ug/l	99
26) 2,2-Dichloropropane	6.01	77	405120	49.766	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	357919	54.392	ug/l	99
28) Bromochloromethane	6.42	49	251865	57.054	ug/l	96
29) Tetrahydrofuran	6.44	42	227394	271.610	ug/l	94
30) Chloroform	6.65	83	584331	54.067	ug/l	98
31) Cyclohexane	6.94	56	379832	45.174	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	475081	50.846	ug/l	96
36) 1,1-Dichloropropene	7.13	75	388329	45.136	ug/l	98
37) Ethyl Acetate	6.17	43	193507	47.930	ug/l	99
38) Carbon Tetrachloride	7.10	117	496515	52.391	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	414703	46.485	ug/l	99
40) Benzene	7.45	78	972500	45.237	ug/l	98
41) Methacrylonitrile	6.43	41	251404	54.137	ug/l	97
42) 1,2-Dichloroethane	7.56	62	341882	54.801	ug/l	99
43) Isopropyl Acetate	9.23	43	291417	52.115	ug/l #	96
44) Trichloroethene	8.53	130	395620	53.342	ug/l	97
45) 1,2-Dichloropropane	8.92	63	284912	50.445	ug/l	98
46) Dibromomethane	9.05	93	190862	53.274	ug/l	97
47) Bromodichloromethane	9.37	83	431973	53.431	ug/l	98
48) Methyl methacrylate	9.11	41	173832	55.213	ug/l	94
49) 1,4-Dioxane	9.07	88	34655	1088.545	ug/l #	94
51) 4-Methyl-2-Pentanone	10.29	43	887789	259.155	ug/l	98
52) Toluene	10.50	92	630708	47.179	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	401850	54.359	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	467230	52.603	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	226029	50.771	ug/l	96
56) Ethyl methacrylate	11.03	69	234288	50.278	ug/l	98
57) 1,3-Dichloropropane	11.39	76	358920	53.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	610064	247.332	ug/l	98
59) 2-Hexanone	11.52	43	659151	263.041	ug/l	96
60) Dibromochloromethane	11.68	129	378269	57.734	ug/l	98
61) 1,2-Dibromoethane	11.80	107	261460	50.486	ug/l	99
64) Tetrachloroethene	11.25	164	284462	52.422	ug/l	98
65) Chlorobenzene	12.39	112	835626	53.025	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	324249	57.723	ug/l	98
67) Ethyl Benzene	12.52	91	1182343	50.396	ug/l	99
68) m/p-Xylenes	12.66	106	963330	104.615	ug/l	97
69) o-Xylene	13.04	106	468279	51.735	ug/l	91
70) Styrene	13.07	104	731353	49.482	ug/l	100
71) Bromoform	13.23	173	212594	58.666	ug/l #	99
73) Isopropylbenzene	13.39	105	1303133	57.205	ug/l	99
74) N-amyl acetate	13.25	43	314805	49.078	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	277121	62.350	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	273782	60.204	ug/l	100
77) Bromobenzene	13.67	156	345013	59.330	ug/l	94
78) n-propylbenzene	13.77	91	1457618	54.656	ug/l	97
79) 2-Chlorotoluene	13.84	91	808157	55.043	ug/l	93
80) 1,3,5-Trimethylbenzene	14.23	105	1005801	58.159	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	81722	60.954	ug/l	96
82) 4-Chlorotoluene	13.94	91	860046	49.550	ug/l	94
83) tert-Butylbenzene	14.18	119	1197311	63.262	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1005801	58.159	ug/l	99
85) sec-Butylbenzene	14.37	105	1257256	54.414	ug/l	98
86) p-Isopropyltoluene	14.49	119	1098805	58.180	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	615497	59.275	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	550485	53.948	ug/l	99
89) n-Butylbenzene	14.79	91	966406	53.284	ug/l	98
90) Hexachloroethane	15.00	117	302243	56.675	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	557157	64.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	35566	66.405	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	247939	61.741	ug/l	99
94) Hexachlorobutadiene	16.03	225	176193	58.006	ug/l	98
95) Naphthalene	16.12	128	441226	72.303	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	120188	60.597	ug/l	97

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

