

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063901.D
 Acq On : 10 Oct 2019 10:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 10:23:55 AM

Quant Time: Oct 11 07:45:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	206323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	313944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	315331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	174147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	102219	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	7.92	113	102023	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.34	98	435135	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
62) 4-Bromofluorobenzene	12.63	95	146210	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66107	45.180	ug/l	92
3) Chloromethane	2.21	50	214186	54.594	ug/l	97
4) Vinyl Chloride	2.35	62	247206	52.274	ug/l	99
5) Bromomethane	2.77	94	147201	48.417	ug/l	99
6) Chloroethane	2.92	64	158494	50.678	ug/l	97
7) Trichlorofluoromethane	3.27	101	351379	56.198	ug/l	97
8) Diethyl Ether	3.70	74	46690	46.524	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92689	53.554	ug/l	99
10) Methyl Iodide	4.30	142	116689	48.929	ug/l	98
11) Tert butyl alcohol	5.24	59	32538	232.607	ug/l	98
12) 1,1-Dichloroethene	4.06	96	86927	50.271	ug/l	98
13) Acrolein	3.93	56	40912	228.042	ug/l	91
14) Allyl chloride	4.71	41	139569	48.548	ug/l	98
15) Acrylonitrile	5.43	53	109330	247.095	ug/l	96
16) Acetone	4.17	43	140573	268.794	ug/l	94
17) Carbon Disulfide	4.40	76	303048	48.213	ug/l #	93
18) Methyl Acetate	4.73	43	50559	49.428	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	213347	47.647	ug/l	97
20) Methylene Chloride	4.97	84	111731	48.031	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	112377	52.206	ug/l	98
22) Diisopropyl ether	6.37	45	291975	49.729	ug/l	96
23) Vinyl Acetate	6.31	43	869658	248.987	ug/l	99
24) 1,1-Dichloroethane	6.27	63	182684	50.514	ug/l	96
25) 2-Butanone	7.23	43	157784	254.579	ug/l	96
26) 2,2-Dichloropropane	7.21	77	174420	53.316	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124789	51.217	ug/l	98
28) Bromochloromethane	7.56	49	73761	53.510	ug/l	98
29) Tetrahydrofuran	7.57	42	81281	224.685	ug/l	99
30) Chloroform	7.71	83	196472	50.019	ug/l	92
31) Cyclohexane	7.98	56	170090	57.483	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181879	53.979	ug/l	99
36) 1,1-Dichloropropene	8.11	75	158284	55.142	ug/l	99
37) Ethyl Acetate	7.30	43	61263	53.505	ug/l	99
38) Carbon Tetrachloride	8.10	117	165183	56.945	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	202113	57.266	ug/l	94
40) Benzene	8.36	78	450104	54.718	ug/l	100
41) Methacrylonitrile	7.53	41	32062	48.177	ug/l	89
42) 1,2-Dichloroethane	8.43	62	119952	50.411	ug/l	99
43) Isopropyl Acetate	8.46	43	116023	48.197	ug/l	99
44) Trichloroethene	9.11	130	129130	54.439	ug/l	91
45) 1,2-Dichloropropane	9.40	63	104093	51.700	ug/l	92
46) Dibromomethane	9.48	93	61197	53.370	ug/l	99
47) Bromodichloromethane	9.66	83	156332	52.954	ug/l	98
48) Methyl methacrylate	9.46	41	54865	47.568	ug/l	98
49) 1,4-Dioxane	9.46	88	16555	1057.699	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	301073	241.154	ug/l	98
52) Toluene	10.41	92	309239	54.762	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	156031	54.162	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	180145	54.323	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86926	53.690	ug/l	93
56) Ethyl methacrylate	10.66	69	102368	49.929	ug/l	96
57) 1,3-Dichloropropane	10.95	76	142030	51.272	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	212594	241.231	ug/l	98
59) 2-Hexanone	10.99	43	240796	266.631	ug/l	100
60) Dibromochloromethane	11.14	129	117741	55.859	ug/l	97
61) 1,2-Dibromoethane	11.25	107	87449	55.714	ug/l	93
64) Tetrachloroethene	10.88	164	118648	55.116	ug/l	93
65) Chlorobenzene	11.67	112	346427	54.704	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	128240	54.957	ug/l	99
67) Ethyl Benzene	11.74	91	626965	54.905	ug/l	97
68) m/p-Xylenes	11.86	106	500973	113.663	ug/l	99
69) o-Xylene	12.18	106	232497	55.089	ug/l	96
70) Styrene	12.20	104	392868	54.989	ug/l	100
71) Bromoform	12.36	173	66363	52.993	ug/l #	96
73) Isopropylbenzene	12.48	105	638060	54.502	ug/l	97
74) N-amyl acetate	12.29	43	113287	44.945	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	97655	47.936	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	64853m	55.602	ug/l	
77) Bromobenzene	12.76	156	153881	52.758	ug/l	95
78) n-propylbenzene	12.82	91	758764	55.217	ug/l	100
79) 2-Chlorotoluene	12.91	91	402299	53.094	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	532670	54.538	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31543	47.856	ug/l	98
82) 4-Chlorotoluene	13.01	91	415018	51.633	ug/l	98
83) tert-Butylbenzene	13.23	119	473566	54.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	531474	52.783	ug/l	100
85) sec-Butylbenzene	13.40	105	667376	56.853	ug/l	100
86) p-Isopropyltoluene	13.52	119	636874	57.335	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	311886	54.117	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	305227	53.685	ug/l	99
89) n-Butylbenzene	13.84	91	586972	56.769	ug/l	99
90) Hexachloroethane	14.11	117	114254	57.189	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	267424	53.845	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15509	48.947	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208115	54.306	ug/l	99
94) Hexachlorobutadiene	15.27	225	122216	57.792	ug/l	97
95) Naphthalene	15.40	128	341570	53.030	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	179628	54.327	ug/l	98

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

