

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
 Data File : VD064108.D
 Acq On : 30 Oct 2019 11:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:39:11 PM

Quant Time: Oct 31 04:11:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	244349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	340930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99923	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.92	113	117653	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
50) Toluene-d8	10.34	98	471960	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.64	95	156623	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130971	52.491	ug/l	94
3) Chloromethane	2.21	50	197746	47.501	ug/l	98
4) Vinyl Chloride	2.35	62	227124	50.310	ug/l	99
5) Bromomethane	2.77	94	150760	51.242	ug/l	95
6) Chloroethane	2.93	64	144106	51.393	ug/l	89
7) Trichlorofluoromethane	3.27	101	318167	51.196	ug/l	97
8) Diethyl Ether	3.70	74	51971	48.111	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	116335	51.944	ug/l	98
10) Methyl Iodide	4.30	142	143876	51.852	ug/l	99
11) Tert butyl alcohol	5.24	59	28765	257.063	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	107662	50.793	ug/l	85
13) Acrolein	3.93	56	29727	239.908	ug/l	89
14) Allyl chloride	4.72	41	129009	52.002	ug/l	98
15) Acrylonitrile	5.43	53	93575	234.510	ug/l	98
16) Acetone	4.17	43	110201	298.038	ug/l	99
17) Carbon Disulfide	4.40	76	330664	50.765	ug/l	98
18) Methyl Acetate	4.73	43	46962	47.748	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	214233	49.809	ug/l	100
20) Methylene Chloride	4.96	84	119265	50.537	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	121008	50.857	ug/l	94
22) Diisopropyl ether	6.37	45	277524	50.511	ug/l	99
23) Vinyl Acetate	6.31	43	777256	258.080	ug/l	97
24) 1,1-Dichloroethane	6.27	63	183187	49.374	ug/l	99
25) 2-Butanone	7.22	43	127472	249.372	ug/l	98
26) 2,2-Dichloropropane	7.21	77	175793	49.921	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	133625	50.189	ug/l	99
28) Bromochloromethane	7.55	49	70579	48.856	ug/l	94
29) Tetrahydrofuran	7.57	42	72782	243.965	ug/l	95
30) Chloroform	7.71	83	206769	48.703	ug/l	91
31) Cyclohexane	7.98	56	177415	49.083	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	203187	51.414	ug/l	98
36) 1,1-Dichloropropene	8.11	75	170156	52.178	ug/l	98
37) Ethyl Acetate	7.30	43	53855	53.653	ug/l #	94
38) Carbon Tetrachloride	8.10	117	184013	51.717	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221567	55.348	ug/l	97
40) Benzene	8.35	78	466345	52.441	ug/l	98
41) Methacrylonitrile	7.53	41	29891	51.602	ug/l	93
42) 1,2-Dichloroethane	8.43	62	120204	51.171	ug/l	99
43) Isopropyl Acetate	8.46	43	102681	50.618	ug/l	99
44) Trichloroethene	9.11	130	145459	53.967	ug/l	94
45) 1,2-Dichloropropane	9.39	63	108464	52.629	ug/l	98
46) Dibromomethane	9.48	93	62048	49.989	ug/l	99
47) Bromodichloromethane	9.67	83	165606	52.887	ug/l	97
48) Methyl methacrylate	9.46	41	52776	56.259	ug/l	93
49) 1,4-Dioxane	9.47	88	16702	1175.545	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	279032	252.667	ug/l	97
52) Toluene	10.41	92	333450	53.505	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	155509	53.202	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	179904	52.314	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	93052	52.877	ug/l	96
56) Ethyl methacrylate	10.67	69	106299	49.716	ug/l	97
57) 1,3-Dichloropropane	10.95	76	147493	50.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	210773	273.385	ug/l	100
59) 2-Hexanone	10.99	43	213106	246.308	ug/l	98
60) Dibromochloromethane	11.14	129	123867	51.859	ug/l	98
61) 1,2-Dibromoethane	11.25	107	89524	50.864	ug/l	96
64) Tetrachloroethene	10.88	164	134556	54.937	ug/l	94
65) Chlorobenzene	11.67	112	376498	53.446	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	138222	52.439	ug/l	99
67) Ethyl Benzene	11.75	91	684420	54.624	ug/l	100
68) m/p-Xylenes	11.86	106	551957	109.521	ug/l	99
69) o-Xylene	12.18	106	255378	55.524	ug/l	99
70) Styrene	12.20	104	431722	54.424	ug/l	98
71) Bromoform	12.36	173	74900	53.206	ug/l #	100
73) Isopropylbenzene	12.48	105	710193	52.807	ug/l	99
74) N-amyl acetate	12.29	43	113854	50.958	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	100116	47.228	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	57143m	43.941	ug/l	
77) Bromobenzene	12.77	156	166558	51.294	ug/l	98
78) n-propylbenzene	12.83	91	848232	53.820	ug/l	99
79) 2-Chlorotoluene	12.91	91	438584	51.913	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	603706	53.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32231	50.616	ug/l	95
82) 4-Chlorotoluene	13.01	91	477017	52.841	ug/l	99
83) tert-Butylbenzene	13.23	119	549093	54.314	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	622553	55.059	ug/l	98
85) sec-Butylbenzene	13.41	105	770841	55.523	ug/l	99
86) p-Isopropyltoluene	13.52	119	730369	55.991	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	346993	53.324	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	337943	52.683	ug/l	99
89) n-Butylbenzene	13.85	91	672888	55.927	ug/l	97
90) Hexachloroethane	14.11	117	129356	52.967	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	292754	52.276	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16207	52.349	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	213045	52.924	ug/l	100
94) Hexachlorobutadiene	15.27	225	126960	53.963	ug/l	96
95) Naphthalene	15.41	128	350271	53.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	185244	53.127	ug/l	96

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

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