

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063961.D
 Acq On : 14 Oct 2019 17:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:54:32 AM

Quant Time: Oct 14 18:12:51 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	7.99	168	186470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	90015	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.92	113	92922	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.34	98	375747	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.63	95	128097	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57759	43.677	ug/l	94
3) Chloromethane	2.21	50	201040	56.884	ug/l	94
4) Vinyl Chloride	2.34	62	226895	53.087	ug/l	100
5) Bromomethane	2.77	94	135529	49.324	ug/l	95
6) Chloroethane	2.92	64	144929	51.274	ug/l	94
7) Trichlorofluoromethane	3.27	101	313214	55.427	ug/l	96
8) Diethyl Ether	3.70	74	45913	50.620	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75496	48.265	ug/l	94
10) Methyl Iodide	4.29	142	96720	44.874	ug/l	98
11) Tert butyl alcohol	5.25	59	30535	241.846	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	70802	45.305	ug/l	93
13) Acrolein	3.92	56	17089	105.395	ug/l	93
14) Allyl chloride	4.71	41	123139	47.394	ug/l	99
15) Acrylonitrile	5.43	53	111827	279.647	ug/l	99
16) Acetone	4.17	43	113280	239.668	ug/l	89
17) Carbon Disulfide	4.40	76	257718	45.366	ug/l	96
18) Methyl Acetate	4.73	43	51003	55.171	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	205001	50.658	ug/l	93
20) Methylene Chloride	4.97	84	101305	48.196	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	98158	50.455	ug/l	92
22) Diisopropyl ether	6.37	45	278985	52.575	ug/l	94
23) Vinyl Acetate	6.31	43	839607	265.977	ug/l	98
24) 1,1-Dichloroethane	6.26	63	170473	52.156	ug/l	97
25) 2-Butanone	7.23	43	148503	265.115	ug/l	96
26) 2,2-Dichloropropane	7.21	77	145774	49.303	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113661	51.617	ug/l	98
28) Bromochloromethane	7.54	49	67948	54.506	ug/l	98
29) Tetrahydrofuran	7.57	42	84766	259.265	ug/l	99
30) Chloroform	7.71	83	186510	52.538	ug/l	99
31) Cyclohexane	7.99	56	154964	57.982	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	160106	52.576	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145137	53.950	ug/l	98
37) Ethyl Acetate	7.30	43	60012	56.120	ug/l	97
38) Carbon Tetrachloride	8.10	117	144913	53.305	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184994	55.927	ug/l	95
40) Benzene	8.35	78	409082	53.063	ug/l	98
41) Methacrylonitrile	7.53	41	26876	43.090	ug/l	91
42) 1,2-Dichloroethane	8.43	62	116138	52.079	ug/l	99
43) Isopropyl Acetate	8.46	43	116085	51.454	ug/l	97
44) Trichloroethene	9.11	130	117185	52.713	ug/l	92
45) 1,2-Dichloropropane	9.39	63	98554	52.228	ug/l	97
46) Dibromomethane	9.48	93	60601	56.391	ug/l	97
47) Bromodichloromethane	9.67	83	143533	51.876	ug/l	90
48) Methyl methacrylate	9.46	41	53546	49.535	ug/l	96
49) 1,4-Dioxane	9.46	88	17128	1167.628	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	316842	270.789	ug/l	97
52) Toluene	10.40	92	287390	54.303	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	142859	52.912	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	166636	53.617	ug/l	89
55) 1,1,2-Trichloroethane	10.80	97	85909	56.617	ug/l	89
56) Ethyl methacrylate	10.66	69	103432	53.828	ug/l	96
57) 1,3-Dichloropropane	10.95	76	142277	54.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	210890	255.330	ug/l	100
59) 2-Hexanone	10.99	43	234607	277.184	ug/l	99
60) Dibromochloromethane	11.14	129	111003	56.191	ug/l	99
61) 1,2-Dibromoethane	11.25	107	83920	57.048	ug/l	99
64) Tetrachloroethene	10.88	164	109002	52.851	ug/l	97
65) Chlorobenzene	11.67	112	327708	54.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	119169	53.304	ug/l	99
67) Ethyl Benzene	11.75	91	589300	53.865	ug/l	96
68) m/p-Xylenes	11.86	106	467312	110.665	ug/l	98
69) o-Xylene	12.18	106	216340	53.504	ug/l	98
70) Styrene	12.20	104	381064	55.670	ug/l	100
71) Bromoform	12.36	173	70543	58.796	ug/l #	97
73) Isopropylbenzene	12.48	105	593295	52.070	ug/l	97
74) N-amyl acetate	12.29	43	120615	49.166	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	101947	51.417	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	67283m	59.269	ug/l	
77) Bromobenzene	12.76	156	146993	51.780	ug/l	97
78) n-propylbenzene	12.82	91	712701	53.288	ug/l	99
79) 2-Chlorotoluene	12.91	91	378302	51.298	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	503995	53.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31274	48.750	ug/l	97
82) 4-Chlorotoluene	13.01	91	401016	51.261	ug/l	100
83) tert-Butylbenzene	13.23	119	432361	51.106	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	514019	52.451	ug/l	98
85) sec-Butylbenzene	13.40	105	617072	54.010	ug/l	100
86) p-Isopropyltoluene	13.52	119	599680	55.469	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	300933	53.650	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	293488	53.037	ug/l	99
89) n-Butylbenzene	13.84	91	543952	54.053	ug/l	99
90) Hexachloroethane	14.11	117	109820	56.479	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	262080	54.218	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17727	57.933	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	202363	54.255	ug/l	98
94) Hexachlorobutadiene	15.27	225	114530	55.644	ug/l	95
95) Naphthalene	15.40	128	360960	57.579	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	172376	53.565	ug/l	97

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

