

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066677.D
 Acq On : 14 Sep 2020 16:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 2:27:55 PM

Quant Time: Sep 15 02:36:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	395882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	657138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	612978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286630	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	259130	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
35) Dibromofluoromethane	7.91	113	235562	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.34	98	852224	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.63	95	301153	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	170809	52.443	ug/l	91
3) Chloromethane	2.21	50	246758	49.288	ug/l	96
4) Vinyl Chloride	2.35	62	271025	48.809	ug/l	99
5) Bromomethane	2.77	94	193264	55.559	ug/l	83
6) Chloroethane	2.92	64	176829	50.137	ug/l	97
7) Trichlorofluoromethane	3.27	101	402975	49.125	ug/l	98
8) Diethyl Ether	3.71	74	111500	53.979	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	221073	49.796	ug/l	99
10) Methyl Iodide	4.30	142	200875	49.637	ug/l	100
11) Tert butyl alcohol	5.21	59	83854	286.529	ug/l	100
12) 1,1-Dichloroethene	4.07	96	205862	51.613	ug/l	86
13) Acrolein	3.93	56	52054	265.789	ug/l	94
14) Allyl chloride	4.72	41	350771	53.661	ug/l	99
15) Acrylonitrile	5.42	53	241033	271.635	ug/l	98
16) Acetone	4.16	43	216395	245.538	ug/l	95
17) Carbon Disulfide	4.41	76	609824	46.509	ug/l	98
18) Methyl Acetate	4.72	43	114397	54.452	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	542679	58.020	ug/l	97
20) Methylene Chloride	4.96	84	268022	56.689	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	243335	51.376	ug/l	98
22) Diisopropyl ether	6.36	45	755532	56.206	ug/l	99
23) Vinyl Acetate	6.30	43	2201041	287.734	ug/l	96
24) 1,1-Dichloroethane	6.26	63	454535	53.771	ug/l	97
25) 2-Butanone	7.21	43	317463	268.341	ug/l	98
26) 2,2-Dichloropropane	7.21	77	395956	51.065	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	280416	55.055	ug/l	99
28) Bromochloromethane	7.54	49	155927	47.912	ug/l	96
29) Tetrahydrofuran	7.56	42	200193	271.706	ug/l	99
30) Chloroform	7.71	83	476946	53.332	ug/l	96
31) Cyclohexane	7.98	56	371643	47.561	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	439195	52.235	ug/l	99
36) 1,1-Dichloropropene	8.11	75	345978	50.590	ug/l	100
37) Ethyl Acetate	7.29	43	146092	53.647	ug/l #	95
38) Carbon Tetrachloride	8.09	117	393290	54.408	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	399930	52.370	ug/l	98
40) Benzene	8.34	78	964516	51.496	ug/l	99
41) Methacrylonitrile	7.51	41	67125m	50.922	ug/l	
42) 1,2-Dichloroethane	8.42	62	317385	52.299	ug/l	100
43) Isopropyl Acetate	8.44	43	294332	56.400	ug/l	99
44) Trichloroethene	9.11	130	256835	52.276	ug/l	95
45) 1,2-Dichloropropane	9.38	63	248522	52.762	ug/l	93
46) Dibromomethane	9.47	93	138655	53.356	ug/l	97
47) Bromodichloromethane	9.66	83	376717	53.581	ug/l	99
48) Methyl methacrylate	9.46	41	140298	53.166	ug/l	94
49) 1,4-Dioxane	9.46	88	30928	1084.824	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	749666	284.835	ug/l	99
52) Toluene	10.40	92	636633	53.696	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	343045	55.271	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	397644	53.350	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	186081	55.692	ug/l	97
56) Ethyl methacrylate	10.66	69	230558	59.264	ug/l	96
57) 1,3-Dichloropropane	10.94	76	316307	54.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	449580	252.653	ug/l	98
59) 2-Hexanone	10.98	43	509668	287.960	ug/l	100
60) Dibromochloromethane	11.14	129	247901	56.107	ug/l	97
61) 1,2-Dibromoethane	11.24	107	176456	54.283	ug/l	97
64) Tetrachloroethene	10.87	164	209628	50.792	ug/l	93
65) Chlorobenzene	11.67	112	656411	51.884	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	254317	52.671	ug/l	98
67) Ethyl Benzene	11.74	91	1238220	53.302	ug/l	100
68) m/p-Xylenes	11.85	106	920407	106.707	ug/l	96
69) o-Xylene	12.18	106	425402	55.032	ug/l	98
70) Styrene	12.19	104	735057	54.696	ug/l	96
71) Bromoform	12.36	173	134131	55.121	ug/l #	99
73) Isopropylbenzene	12.48	105	1179701	55.589	ug/l	100
74) N-amyl acetate	12.28	43	272281	56.649	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	200215	53.402	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	154474m	56.038	ug/l	
77) Bromobenzene	12.76	156	259091	54.762	ug/l	99
78) n-propylbenzene	12.82	91	1411088	54.850	ug/l	100
79) 2-Chlorotoluene	12.91	91	802361	55.595	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1014955	56.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	61853	52.385	ug/l	98
82) 4-Chlorotoluene	13.01	91	843970	54.685	ug/l	100
83) tert-Butylbenzene	13.23	119	837549	57.421	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1025485	57.665	ug/l	98
85) sec-Butylbenzene	13.40	105	1175395	55.932	ug/l	99
86) p-Isopropyltoluene	13.51	119	1085655	57.398	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	509547	54.249	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	499495	52.983	ug/l	100
89) n-Butylbenzene	13.84	91	1002674	54.399	ug/l	98
90) Hexachloroethane	14.11	117	214395	52.606	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	439588	53.544	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	35397	55.579	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	275011	55.815	ug/l	99
94) Hexachlorobutadiene	15.27	225	163096	55.098	ug/l	98
95) Naphthalene	15.41	128	548963	63.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	241572	57.507	ug/l	99

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

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