

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067163.D
 Acq On : 07 Oct 2020 20:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 5:39:34 PM

Quant Time: Oct 08 08:31:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	399408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	586853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185483	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.91	113	208577	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.34	98	727964	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.64	95	262131	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	161061	50.101	ug/l	97
3) Chloromethane	2.20	50	140813	44.270	ug/l	93
4) Vinyl Chloride	2.34	62	145017	45.469	ug/l	98
5) Bromomethane	2.77	94	110599	54.159	ug/l	98
6) Chloroethane	2.92	64	90533	46.611	ug/l	99
7) Trichlorofluoromethane	3.27	101	314077	44.324	ug/l	94
8) Diethyl Ether	3.71	74	88135	50.157	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	180426	45.049	ug/l	98
10) Methyl Iodide	4.30	142	189067	48.583	ug/l	98
11) Tert butyl alcohol	5.21	59	54082	237.427	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	172674	45.862	ug/l	97
13) Acrolein	3.92	56	59688	231.709	ug/l	95
14) Allyl chloride	4.71	41	228105	46.636	ug/l	98
15) Acrylonitrile	5.42	53	160019	247.431	ug/l	97
16) Acetone	4.16	43	142092	241.958	ug/l	99
17) Carbon Disulfide	4.41	76	517144	44.755	ug/l	100
18) Methyl Acetate	4.72	43	78064	52.889	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	369844	53.809	ug/l	100
20) Methylene Chloride	4.96	84	227798	55.456	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	207143	48.343	ug/l	97
22) Diisopropyl ether	6.36	45	446072	49.954	ug/l	98
23) Vinyl Acetate	6.30	43	1253129	247.650	ug/l	98
24) 1,1-Dichloroethane	6.27	63	340093	49.350	ug/l	98
25) 2-Butanone	7.21	43	191920	230.507	ug/l	99
26) 2,2-Dichloropropane	7.20	77	280423	47.370	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	235358	51.431	ug/l	96
28) Bromochloromethane	7.55	49	131669	49.474	ug/l	93
29) Tetrahydrofuran	7.56	42	114756	239.706	ug/l	94
30) Chloroform	7.71	83	381515	51.034	ug/l	100
31) Cyclohexane	7.98	56	238018	41.197	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	339414	48.990	ug/l	98
36) 1,1-Dichloropropene	8.11	75	267937	45.577	ug/l	98
37) Ethyl Acetate	7.29	43	93741	46.029	ug/l	100
38) Carbon Tetrachloride	8.10	117	309390	48.641	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	286395	46.079	ug/l	97
40) Benzene	8.35	78	801167	49.065	ug/l	100
41) Methacrylonitrile	7.53	41	54470	49.507	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	230899	50.605	ug/l	98
43) Isopropyl Acetate	8.45	43	182132	48.545	ug/l	98
44) Trichloroethene	9.11	130	240698	49.365	ug/l	100
45) 1,2-Dichloropropane	9.38	63	193784	50.509	ug/l	98
46) Dibromomethane	9.48	93	115571	52.411	ug/l	99
47) Bromodichloromethane	9.66	83	295890	51.621	ug/l	98
48) Methyl methacrylate	9.46	41	88851	46.226	ug/l #	84
49) 1,4-Dioxane	9.47	88	21686	942.291	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	459639	245.959	ug/l	98
52) Toluene	10.40	92	544207	51.738	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	264765	51.683	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	317836	50.808	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	157685	51.434	ug/l	95
56) Ethyl methacrylate	10.66	69	175935	55.584	ug/l	96
57) 1,3-Dichloropropane	10.95	76	254037	51.099	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	450937	255.968	ug/l	98
59) 2-Hexanone	10.98	43	309085	247.805	ug/l	96
60) Dibromochloromethane	11.14	129	211961	51.873	ug/l	94
61) 1,2-Dibromoethane	11.24	107	149771	50.850	ug/l	93
64) Tetrachloroethene	10.87	164	216970	50.855	ug/l	95
65) Chlorobenzene	11.67	112	586638	50.261	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	228911	51.559	ug/l	100
67) Ethyl Benzene	11.74	91	1021299	51.069	ug/l	99
68) m/p-Xylenes	11.86	106	788691	101.196	ug/l	98
69) o-Xylene	12.18	106	363558	52.164	ug/l	96
70) Styrene	12.20	104	628698	52.533	ug/l	98
71) Bromoform	12.36	173	123608	53.635	ug/l #	97
73) Isopropylbenzene	12.48	105	975892	49.407	ug/l	100
74) N-amyl acetate	12.29	43	166532	46.900	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	159818	48.023	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	110388m	43.566	ug/l	
77) Bromobenzene	12.77	156	246188	51.618	ug/l	95
78) n-propylbenzene	12.83	91	1134664	48.607	ug/l	99
79) 2-Chlorotoluene	12.91	91	659892	49.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	850162	50.944	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	48930	48.145	ug/l	96
82) 4-Chlorotoluene	13.01	91	702380	49.428	ug/l	98
83) tert-Butylbenzene	13.23	119	724183	51.532	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	861144	51.707	ug/l	99
85) sec-Butylbenzene	13.41	105	963686	48.695	ug/l	100
86) p-Isopropyltoluene	13.52	119	905723	49.364	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	455527	49.034	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	459972	49.518	ug/l	98
89) n-Butylbenzene	13.85	91	803362	47.909	ug/l	99
90) Hexachloroethane	14.12	117	153320	47.705	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	404032	49.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25991	48.449	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278437	53.056	ug/l	99
94) Hexachlorobutadiene	15.28	225	157018	48.719	ug/l	99
95) Naphthalene	15.41	128	479427	54.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	243022	53.345	ug/l	98

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

