

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067246.D
 Acq On : 13 Oct 2020 11:49
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:11 PM

Quant Time: Oct 13 12:43:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	344594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	516094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	471458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234352	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	170740	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
35) Dibromofluoromethane	7.91	113	177611	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	10.34	98	650277	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.64	95	220664	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	140733	41.610	ug/l	100
3) Chloromethane	2.20	50	98440	43.401	ug/l	100
4) Vinyl Chloride	2.35	62	111915	44.639	ug/l	100
5) Bromomethane	2.77	94	83107	42.296	ug/l	100
6) Chloroethane	2.92	64	67740	43.171	ug/l	100
7) Trichlorofluoromethane	3.27	101	278877	44.264	ug/l	100
8) Diethyl Ether	3.70	74	62888	44.794	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	147285	44.017	ug/l	100
10) Methyl Iodide	4.30	142	149829	54.195	ug/l	100
11) Tert butyl alcohol	5.23	59	41621	140.369	ug/l	100
12) 1,1-Dichloroethene	4.07	96	135594	46.078	ug/l	100
13) Acrolein	3.92	56	51869	325.569	ug/l	100
14) Allyl chloride	4.71	41	157576	47.995	ug/l	100
15) Acrylonitrile	5.41	53	106241	229.413	ug/l	100
16) Acetone	4.16	43	109443	219.756	ug/l	100
17) Carbon Disulfide	4.41	76	379953	45.215	ug/l	100
18) Methyl Acetate	4.72	43	47073	41.162	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	272155	47.992	ug/l	100
20) Methylene Chloride	4.96	84	154158	38.459	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	153957	45.735	ug/l	100
22) Diisopropyl ether	6.36	45	290848	48.049	ug/l	100
23) Vinyl Acetate	6.31	43	857844	261.179	ug/l	100
24) 1,1-Dichloroethane	6.27	63	240683	45.638	ug/l	100
25) 2-Butanone	7.21	43	126995	226.980	ug/l	100
26) 2,2-Dichloropropane	7.21	77	246379	44.751	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	171529	46.413	ug/l	100
28) Bromochloromethane	7.55	49	89940	51.119	ug/l	100
29) Tetrahydrofuran	7.57	42	73765	239.228	ug/l	100
30) Chloroform	7.71	83	290421	45.919	ug/l	100
31) Cyclohexane	7.98	56	179362	42.347	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	283880	45.730	ug/l	100
36) 1,1-Dichloropropene	8.11	75	208805	46.248	ug/l	100
37) Ethyl Acetate	7.30	43	61719	47.153	ug/l	100
38) Carbon Tetrachloride	8.10	117	270644	46.759	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	225579	48.730	ug/l	100
40) Benzene	8.35	78	575176	46.235	ug/l	100
41) Methacrylonitrile	7.53	41	28577	51.168	ug/l	100
42) 1,2-Dichloroethane	8.43	62	180088	46.333	ug/l	100
43) Isopropyl Acetate	8.46	43	119180	46.466	ug/l	100
44) Trichloroethene	9.11	130	185452	46.652	ug/l	100
45) 1,2-Dichloropropane	9.39	63	132246	46.292	ug/l	100
46) Dibromomethane	9.48	93	79445	44.169	ug/l	100
47) Bromodichloromethane	9.67	83	219875	46.159	ug/l	100
48) Methyl methacrylate	9.46	41	57235	45.806	ug/l	100
49) 1,4-Dioxane	9.46	88	16049	841.221	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	302051	232.078	ug/l	100
52) Toluene	10.41	92	398371	47.305	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	197753	47.729	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	229152	47.208	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	110014	44.546	ug/l	100
56) Ethyl methacrylate	10.67	69	119395	49.479	ug/l	100
57) 1,3-Dichloropropane	10.95	76	176835	45.737	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	312189	251.174	ug/l	100
59) 2-Hexanone	10.99	43	211866	241.740	ug/l	100
60) Dibromochloromethane	11.14	129	161398	45.249	ug/l	100
61) 1,2-Dibromoethane	11.25	107	108760	45.234	ug/l	100
64) Tetrachloroethene	10.88	164	160557	44.689	ug/l	100
65) Chlorobenzene	11.67	112	432711	46.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	174543	46.872	ug/l	100
67) Ethyl Benzene	11.75	91	765824	48.537	ug/l	100
68) m/p-Xylenes	11.86	106	587782	95.886	ug/l	100
69) o-Xylene	12.18	106	266173	46.960	ug/l	100
70) Styrene	12.20	104	471374	48.399	ug/l	100
71) Bromoform	12.37	173	89082	44.731	ug/l #	100
73) Isopropylbenzene	12.48	105	761262	50.798	ug/l	100
74) N-amyl acetate	12.30	43	108909	48.795	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	109456	46.720	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	70724m	42.197	ug/l	
77) Bromobenzene	12.77	156	182344	47.803	ug/l	100
78) n-propylbenzene	12.83	91	883549	50.131	ug/l	100
79) 2-Chlorotoluene	12.91	91	496130	48.288	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	659241	49.993	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	33345	46.206	ug/l	100
82) 4-Chlorotoluene	13.01	91	523098	47.707	ug/l	100
83) tert-Butylbenzene	13.23	119	564405	51.266	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	657565	50.677	ug/l	100
85) sec-Butylbenzene	13.41	105	760491	49.810	ug/l	100
86) p-Isopropyltoluene	13.53	119	717330	49.710	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	339682	45.481	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	336712	45.971	ug/l	100
89) n-Butylbenzene	13.85	91	631215	50.133	ug/l	100
90) Hexachloroethane	14.12	117	120509	48.135	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	295086	45.671	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18471	43.771	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208287	49.545	ug/l	100
94) Hexachlorobutadiene	15.28	225	131125	49.693	ug/l	100
95) Naphthalene	15.41	128	349244	52.928	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	178915	49.561	ug/l	100

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

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