

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066711.D
 Acq On : 15 Sep 2020 22:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:30 AM

Quant Time: Sep 16 02:26:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	402546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	679267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	630396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293137	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	225030	52.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.78%	
35) Dibromofluoromethane	7.91	113	213485	51.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.52%	
50) Toluene-d8	10.34	98	759186	51.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.63	95	255605	49.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	141138	47.069	ug/l	99
3) Chloromethane	2.21	50	208925	47.694	ug/l	99
4) Vinyl Chloride	2.35	62	223805	48.817	ug/l	99
5) Bromomethane	2.77	94	165655	50.936	ug/l	100
6) Chloroethane	2.93	64	150163	52.578	ug/l	90
7) Trichlorofluoromethane	3.27	101	372839	47.084	ug/l	99
8) Diethyl Ether	3.71	74	101947	51.414	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	202401	46.510	ug/l	97
10) Methyl Iodide	4.30	142	212552	51.478	ug/l	98
11) Tert butyl alcohol	5.21	59	65425	228.797	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	192934	47.899	ug/l	99
13) Acrolein	3.92	56	67341	222.312	ug/l	98
14) Allyl chloride	4.71	41	335298	51.834	ug/l	99
15) Acrylonitrile	5.42	53	229509	264.219	ug/l	98
16) Acetone	4.16	43	187537	214.423	ug/l	97
17) Carbon Disulfide	4.41	76	628558	49.661	ug/l	97
18) Methyl Acetate	4.71	43	103927	56.112	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	494224	55.087	ug/l	98
20) Methylene Chloride	4.97	84	248825	53.430	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	240516	51.252	ug/l	99
22) Diisopropyl ether	6.37	45	730903	55.608	ug/l	98
23) Vinyl Acetate	6.30	43	2055770	281.180	ug/l	100
24) 1,1-Dichloroethane	6.26	63	430985	51.673	ug/l	99
25) 2-Butanone	7.21	43	288612	253.419	ug/l	99
26) 2,2-Dichloropropane	7.20	77	355244	46.059	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	272428	53.065	ug/l	99
28) Bromochloromethane	7.54	49	151264	48.554	ug/l	97
29) Tetrahydrofuran	7.56	42	188218	270.117	ug/l	98
30) Chloroform	7.71	83	465285	52.415	ug/l	100
31) Cyclohexane	7.98	56	359946	47.445	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	423115	52.089	ug/l	99
36) 1,1-Dichloropropene	8.11	75	338005	48.398	ug/l	99
37) Ethyl Acetate	7.29	43	138989	52.570	ug/l	99
38) Carbon Tetrachloride	8.09	117	365040	49.220	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	383394	47.995	ug/l	99
40) Benzene	8.35	78	968445	51.256	ug/l	100
41) Methacrylonitrile	7.52	41	75575m	53.993	ug/l	
42) 1,2-Dichloroethane	8.42	62	304049	51.942	ug/l	99
43) Isopropyl Acetate	8.44	43	266798	53.612	ug/l	98
44) Trichloroethene	9.11	130	255364	50.550	ug/l	98
45) 1,2-Dichloropropane	9.38	63	244009	52.240	ug/l	98
46) Dibromomethane	9.47	93	135802	52.909	ug/l	98
47) Bromodichloromethane	9.66	83	366888	52.457	ug/l	99
48) Methyl methacrylate	9.46	41	131737	52.044	ug/l	93
49) 1,4-Dioxane	9.46	88	27968	1017.221	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	680436	265.586	ug/l	100
52) Toluene	10.40	92	632567	52.262	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	327261	52.378	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	390553	52.627	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	174928	51.691	ug/l	96
56) Ethyl methacrylate	10.66	69	219959	57.276	ug/l	97
57) 1,3-Dichloropropane	10.94	76	307691	51.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	409390	242.725	ug/l	98
59) 2-Hexanone	10.98	43	462603	268.727	ug/l	99
60) Dibromochloromethane	11.14	129	233856	53.035	ug/l	98
61) 1,2-Dibromoethane	11.24	107	168213	51.818	ug/l	99
64) Tetrachloroethene	10.87	164	207358	48.186	ug/l	96
65) Chlorobenzene	11.67	112	634089	48.582	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	248078	51.515	ug/l	97
67) Ethyl Benzene	11.74	91	1204333	50.942	ug/l	97
68) m/p-Xylenes	11.85	106	899559	100.677	ug/l	100
69) o-Xylene	12.18	106	410947	52.045	ug/l	99
70) Styrene	12.19	104	716693	51.571	ug/l	98
71) Bromoform	12.36	173	123818	51.233	ug/l	96
73) Isopropylbenzene	12.48	105	1120891	51.221	ug/l	99
74) N-amyl acetate	12.29	43	238284	51.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	179300	48.218	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	120069m	47.853	ug/l	
77) Bromobenzene	12.76	156	245914	48.756	ug/l	99
78) n-propylbenzene	12.82	91	1334708	50.034	ug/l	99
79) 2-Chlorotoluene	12.91	91	746392	49.482	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	933933	50.475	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	58100	49.973	ug/l	97
82) 4-Chlorotoluene	13.01	91	794883	49.838	ug/l	100
83) tert-Butylbenzene	13.23	119	778440	51.044	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	952011	51.484	ug/l	99
85) sec-Butylbenzene	13.40	105	1077050	49.263	ug/l	99
86) p-Isopropyltoluene	13.52	119	1003916	50.508	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	482857	49.900	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	472444	49.030	ug/l	98
89) n-Butylbenzene	13.84	91	928453	49.124	ug/l	99
90) Hexachloroethane	14.11	117	199679	48.903	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	407162	49.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30706	51.083	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	260206	51.887	ug/l	99
94) Hexachlorobutadiene	15.27	225	150146	49.694	ug/l	99
95) Naphthalene	15.40	128	470726	53.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	222264	50.742	ug/l	97

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

