

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066668.D
 Acq On : 14 Sep 2020 12:53
 Operator : VA/SY
 Sample : VD0914SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 2:27:50 PM

Quant Time: Sep 15 01:45:30 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	7.97	168	389118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	627023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	559825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	261625	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	227059	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	7.91	113	213126	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.34	98	799369	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.63	95	268892	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	78678	22.302	ug/l	95
3) Chloromethane	2.21	50	90658	18.423	ug/l	98
4) Vinyl Chloride	2.35	62	92336	16.918	ug/l	98
5) Bromomethane	2.76	94	65600	15.910	ug/l	92
6) Chloroethane	2.92	64	57200	16.500	ug/l	96
7) Trichlorofluoromethane	3.27	101	160575	19.915	ug/l	95
8) Diethyl Ether	3.71	74	37536	18.488	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	88520	20.286	ug/l	97
10) Methyl Iodide	4.30	142	78101	22.066	ug/l	96
11) Tert butyl alcohol	5.22	59	35639	92.394	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	78956	20.140	ug/l	96
13) Acrolein	3.91	56	13863	72.015	ug/l	88
14) Allyl chloride	4.71	41	122676	19.093	ug/l	99
15) Acrylonitrile	5.42	53	84404	96.773	ug/l	99
16) Acetone	4.16	43	79329	91.577	ug/l	94
17) Carbon Disulfide	4.40	76	252274	19.574	ug/l	96
18) Methyl Acetate	4.71	43	39773	19.261	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	175465	19.086	ug/l	99
20) Methylene Chloride	4.96	84	106861	18.461	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	92643	19.900	ug/l	99
22) Diisopropyl ether	6.36	45	261790	19.814	ug/l	98
23) Vinyl Acetate	6.31	43	714894	95.080	ug/l	98
24) 1,1-Dichloroethane	6.26	63	164594	19.810	ug/l	99
25) 2-Butanone	7.21	43	106885	91.917	ug/l	96
26) 2,2-Dichloropropane	7.21	77	151108	19.827	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	100503	20.075	ug/l	97
28) Bromochloromethane	7.54	49	57600	18.007	ug/l	96
29) Tetrahydrofuran	7.56	42	67031	92.557	ug/l	99
30) Chloroform	7.71	83	173840	19.777	ug/l	96
31) Cyclohexane	7.98	56	151532	19.729	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	161839	19.583	ug/l	97
36) 1,1-Dichloropropene	8.11	75	129833	19.897	ug/l	99
37) Ethyl Acetate	7.29	43	52080	20.043	ug/l	100
38) Carbon Tetrachloride	8.09	117	142615	20.677	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	149431	20.508	ug/l	98
40) Benzene	8.35	78	361542	20.230	ug/l	99
41) Methacrylonitrile	7.52	41	21733m	17.279	ug/l	
42) 1,2-Dichloroethane	8.42	62	112148	19.368	ug/l	99
43) Isopropyl Acetate	8.45	43	90669	18.208	ug/l	97
44) Trichloroethene	9.11	130	98580	21.029	ug/l	98
45) 1,2-Dichloropropane	9.38	63	89740	19.967	ug/l	93
46) Dibromomethane	9.47	93	48784	19.674	ug/l	98
47) Bromodichloromethane	9.66	83	135296	20.168	ug/l	97
48) Methyl methacrylate	9.45	41	44281	17.586	ug/l	92
49) 1,4-Dioxane	9.46	88	10994	404.144	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	236896	94.331	ug/l	100
52) Toluene	10.40	92	231493	20.463	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	118619	20.030	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	141220	19.857	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	66605	20.891	ug/l	97
56) Ethyl methacrylate	10.66	69	72119	19.428	ug/l	98
57) 1,3-Dichloropropane	10.94	76	111699	20.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	189077	111.360	ug/l	98
59) 2-Hexanone	10.98	43	161057	95.367	ug/l	98
60) Dibromochloromethane	11.14	129	86426	20.500	ug/l	99
61) 1,2-Dibromoethane	11.24	107	60912	19.638	ug/l	98
64) Tetrachloroethene	10.87	164	83039	22.030	ug/l	87
65) Chlorobenzene	11.67	112	236190	20.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	90992	20.634	ug/l	98
67) Ethyl Benzene	11.74	91	433662	20.440	ug/l	99
68) m/p-Xylenes	11.86	106	326120	41.398	ug/l	96
69) o-Xylene	12.18	106	148381	21.018	ug/l	99
70) Styrene	12.20	104	259635	21.154	ug/l	99
71) Bromoform	12.36	173	44123	19.854	ug/l #	99
73) Isopropylbenzene	12.48	105	409654	21.148	ug/l	99
74) N-amyl acetate	12.29	43	84178	19.187	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	67907	19.844	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	53544m	21.280	ug/l	
77) Bromobenzene	12.76	156	92291	21.371	ug/l	97
78) n-propylbenzene	12.82	91	493546	21.018	ug/l	99
79) 2-Chlorotoluene	12.91	91	279649	21.228	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	349037	21.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21384	19.842	ug/l	97
82) 4-Chlorotoluene	13.01	91	298192	21.168	ug/l	100
83) tert-Butylbenzene	13.23	119	284909	21.400	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	348015	21.440	ug/l	97
85) sec-Butylbenzene	13.40	105	405816	21.157	ug/l	100
86) p-Isopropyltoluene	13.52	119	369405	21.397	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	180547	21.059	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	176484	20.509	ug/l	98
89) n-Butylbenzene	13.84	91	347902	20.679	ug/l	100
90) Hexachloroethane	14.11	117	76522	20.571	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	154855	20.665	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10644	18.310	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	93010	20.681	ug/l	99
94) Hexachlorobutadiene	15.27	225	56923	21.068	ug/l	97
95) Naphthalene	15.40	128	160211	20.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81597	21.281	ug/l	97

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

