

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066994.D
 Acq On : 01 Oct 2020 15:57
 Operator : VA/SY
 Sample : VD1001SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:32 PM

Quant Time: Oct 02 00:58:36 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	479558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	695170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340504	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	230825	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	7.91	113	244381	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.34	98	918166	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.63	95	311845	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	97890	22.644	ug/l	90
3) Chloromethane	2.21	50	84030	22.003	ug/l	94
4) Vinyl Chloride	2.35	62	82134	21.448	ug/l	90
5) Bromomethane	2.76	94	61452	22.515	ug/l	92
6) Chloroethane	2.92	64	47152	20.219	ug/l #	83
7) Trichlorofluoromethane	3.27	101	180228	21.183	ug/l	99
8) Diethyl Ether	3.71	74	44689	21.182	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	100248	20.847	ug/l	99
10) Methyl Iodide	4.30	142	89776	19.213	ug/l	99
11) Tert butyl alcohol	5.22	59	41449m	129.741	ug/l	
12) 1,1-Dichloroethene	4.07	96	93159	20.607	ug/l	96
13) Acrolein	3.92	56	31490	101.813	ug/l	99
14) Allyl chloride	4.71	41	125832	21.426	ug/l	99
15) Acrylonitrile	5.42	53	83897	108.045	ug/l	98
16) Acetone	4.16	43	74621	105.830	ug/l	100
17) Carbon Disulfide	4.41	76	293260	21.138	ug/l	100
18) Methyl Acetate	4.72	43	38121	21.511	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	177795	21.544	ug/l	98
20) Methylene Chloride	4.97	84	139455	24.103	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	108895	21.166	ug/l	96
22) Diisopropyl ether	6.36	45	242494	22.617	ug/l	99
23) Vinyl Acetate	6.31	43	663369	109.188	ug/l	100
24) 1,1-Dichloroethane	6.26	63	175768	21.243	ug/l	100
25) 2-Butanone	7.21	43	107989	108.024	ug/l	97
26) 2,2-Dichloropropane	7.21	77	159799	20.120	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	117053	21.304	ug/l	98
28) Bromochloromethane	7.54	49	65537	20.510	ug/l	100
29) Tetrahydrofuran	7.56	42	63086	109.752	ug/l	98
30) Chloroform	7.71	83	187976	20.942	ug/l	99
31) Cyclohexane	7.98	56	144729	20.864	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	174781	21.011	ug/l	99
36) 1,1-Dichloropropene	8.11	75	148221	21.108	ug/l	100
37) Ethyl Acetate	7.30	43	50170	20.624	ug/l	98
38) Carbon Tetrachloride	8.10	117	161523	21.259	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156364	21.062	ug/l	97
40) Benzene	8.35	78	419444	21.505	ug/l	97
41) Methacrylonitrile	7.53	41	29034m	22.092	ug/l	
42) 1,2-Dichloroethane	8.43	62	119827	21.986	ug/l	97
43) Isopropyl Acetate	8.45	43	99987	22.311	ug/l	98
44) Trichloroethene	9.11	130	120904	20.759	ug/l	98
45) 1,2-Dichloropropane	9.38	63	98807	21.561	ug/l	97
46) Dibromomethane	9.47	93	56667	21.514	ug/l	97
47) Bromodichloromethane	9.66	83	144964	21.173	ug/l	99
48) Methyl methacrylate	9.45	41	45080	19.635	ug/l #	82
49) 1,4-Dioxane	9.47	88	12849	467.408	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	244531	109.547	ug/l	99
52) Toluene	10.40	92	269381	21.441	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	131212	21.443	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	158348	21.192	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	77419	21.141	ug/l	89
56) Ethyl methacrylate	10.66	69	84328	22.305	ug/l	98
57) 1,3-Dichloropropane	10.94	76	129338	21.780	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	227719	108.216	ug/l	97
59) 2-Hexanone	10.98	43	167299	112.292	ug/l	100
60) Dibromochloromethane	11.14	129	104334	21.377	ug/l	98
61) 1,2-Dibromoethane	11.24	107	74524	21.183	ug/l	96
64) Tetrachloroethene	10.88	164	107051	21.182	ug/l	89
65) Chlorobenzene	11.67	112	291034	21.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	110704	21.049	ug/l	99
67) Ethyl Benzene	11.74	91	508543	21.467	ug/l	99
68) m/p-Xylenes	11.85	106	396741	42.974	ug/l	100
69) o-Xylene	12.18	106	178135	21.577	ug/l	99
70) Styrene	12.20	104	312231	22.024	ug/l	100
71) Bromoform	12.36	173	58097	21.281	ug/l #	100
73) Isopropylbenzene	12.48	105	482002	20.847	ug/l	100
74) N-amyl acetate	12.29	43	88305	21.246	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	80503	20.666	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	51724m	17.440	ug/l	
77) Bromobenzene	12.76	156	118403	21.209	ug/l	98
78) n-propylbenzene	12.82	91	585848	21.440	ug/l	100
79) 2-Chlorotoluene	12.91	91	322802	20.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	417282	21.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23283	19.572	ug/l	98
82) 4-Chlorotoluene	13.01	91	353473	21.251	ug/l	99
83) tert-Butylbenzene	13.23	119	333478	20.273	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	414806	21.278	ug/l	99
85) sec-Butylbenzene	13.40	105	489979	21.151	ug/l	99
86) p-Isopropyltoluene	13.52	119	454284	21.152	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	228811	21.041	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	225143	20.706	ug/l	98
89) n-Butylbenzene	13.85	91	400953	20.428	ug/l	98
90) Hexachloroethane	14.12	117	74178	19.718	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	196633	20.705	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12925	20.583	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	125377	20.410	ug/l	99
94) Hexachlorobutadiene	15.28	225	73192	19.401	ug/l	99
95) Naphthalene	15.41	128	208749	20.373	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	111808	20.967	ug/l	100

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

