

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066517.D
 Acq On : 02 Sep 2020 12:16
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:13 PM

Quant Time: Sep 02 15:11:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 14:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	173949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	234463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	213139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	114027	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	33888	18.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.22%	
35) Dibromofluoromethane	7.91	113	25444	18.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.08%	
50) Toluene-d8	10.34	98	99640	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
62) 4-Bromofluorobenzene	12.63	95	35807	18.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	33305	22.443	ug/l	90
3) Chloromethane	2.21	50	18437	20.667	ug/l	95
4) Vinyl Chloride	2.35	62	22783	20.942	ug/l	94
5) Bromomethane	2.75	94	17941	20.178	ug/l	91
6) Chloroethane	2.91	64	14864	20.308	ug/l	97
7) Trichlorofluoromethane	3.27	101	66998	20.203	ug/l	94
8) Diethyl Ether	3.70	74	11467	18.449	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	26820	19.420	ug/l	97
10) Methyl Iodide	4.30	142	29109	19.009	ug/l	96
11) Tert butyl alcohol	5.21	59	13214	96.957	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	25957	20.000	ug/l	93
13) Acrolein	3.91	56	5951	97.937	ug/l	89
14) Allyl chloride	4.71	41	30057	20.719	ug/l	95
15) Acrylonitrile	5.42	53	21815	97.874	ug/l	95
16) Acetone	4.16	43	26048	94.150	ug/l #	84
17) Carbon Disulfide	4.41	76	74614	19.894	ug/l	99
18) Methyl Acetate	4.72	43	8533m	19.190	ug/l	
19) Methyl tert-butyl Ether	5.47	73	66641	19.679	ug/l	94
20) Methylene Chloride	4.96	84	31862	19.733	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	31235	21.041	ug/l	83
22) Diisopropyl ether	6.36	45	58270	20.041	ug/l	98
23) Vinyl Acetate	6.30	43	188331	100.752	ug/l	99
24) 1,1-Dichloroethane	6.27	63	45815	20.063	ug/l	95
25) 2-Butanone	7.20	43	27480	95.965	ug/l #	85
26) 2,2-Dichloropropane	7.20	77	56381	19.485	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	31188	19.373	ug/l	99
28) Bromochloromethane	7.55	49	12503	18.925	ug/l	95
29) Tetrahydrofuran	7.56	42	14665	99.623	ug/l	97
30) Chloroform	7.70	83	58918	19.981	ug/l	90
31) Cyclohexane	7.98	56	38578	19.553	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	66113	20.132	ug/l	98
36) 1,1-Dichloropropene	8.10	75	42819	20.833	ug/l	97
37) Ethyl Acetate	7.29	43	11263	18.256	ug/l #	88
38) Carbon Tetrachloride	8.09	117	63966	20.430	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	47292	19.695	ug/l	98
40) Benzene	8.34	78	106718	20.128	ug/l	99
41) Methacrylonitrile	7.53	41	7089m	20.181	ug/l	
42) 1,2-Dichloroethane	8.42	62	45459	20.268	ug/l	99
43) Isopropyl Acetate	8.44	43	25047	19.380	ug/l #	60
44) Trichloroethene	9.11	130	36472	19.930	ug/l	88
45) 1,2-Dichloropropane	9.39	63	20980	19.944	ug/l #	84
46) Dibromomethane	9.47	93	15703	20.390	ug/l	97
47) Bromodichloromethane	9.66	83	46751	20.424	ug/l	100
48) Methyl methacrylate	9.45	41	12525	19.017	ug/l	98
49) 1,4-Dioxane	9.46	88	3675	408.036	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	60587	101.952	ug/l	100
52) Toluene	10.40	92	76026	20.160	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	41365	19.780	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	45383	20.599	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	20030	20.582	ug/l	95
56) Ethyl methacrylate	10.66	69	22824	19.929	ug/l	96
57) 1,3-Dichloropropane	10.94	76	33053	20.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	48763	109.072	ug/l	98
59) 2-Hexanone	10.98	43	40696	94.819	ug/l	97
60) Dibromochloromethane	11.14	129	32063	19.924	ug/l	100
61) 1,2-Dibromoethane	11.24	107	20118	20.281	ug/l	99
64) Tetrachloroethene	10.87	164	34671	20.864	ug/l	90
65) Chlorobenzene	11.67	112	86369	20.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	36260	20.437	ug/l	100
67) Ethyl Benzene	11.74	91	151117	20.458	ug/l	99
68) m/p-Xylenes	11.85	106	119380	41.771	ug/l	100
69) o-Xylene	12.18	106	54967	20.304	ug/l	99
70) Styrene	12.20	104	94672	20.426	ug/l	99
71) Bromoform	12.36	173	19968	20.519	ug/l #	91
73) Isopropylbenzene	12.48	105	155650	20.428	ug/l	100
74) N-amyl acetate	12.29	43	23282	20.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	18056	20.054	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	12052m	16.734	ug/l	
77) Bromobenzene	12.76	156	39344	20.348	ug/l	99
78) n-propylbenzene	12.82	91	173346	20.878	ug/l	98
79) 2-Chlorotoluene	12.91	91	97386	20.272	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	137699	20.787	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	6697	20.791	ug/l	98
82) 4-Chlorotoluene	13.01	91	103375	20.034	ug/l	98
83) tert-Butylbenzene	13.23	119	115591	19.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	133188	20.103	ug/l	96
85) sec-Butylbenzene	13.41	105	148103	20.121	ug/l	99
86) p-Isopropyltoluene	13.52	119	150622	20.473	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	71527	19.946	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	73167	20.169	ug/l	98
89) n-Butylbenzene	13.85	91	125805	20.415	ug/l	97
90) Hexachloroethane	14.11	117	26645	20.182	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	63206	20.264	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4971	20.877	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	49395	20.064	ug/l	98
94) Hexachlorobutadiene	15.27	225	31781	19.914	ug/l	99
95) Naphthalene	15.41	128	75967	19.850	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	43800	20.590	ug/l	98

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

