

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066987.D
 Acq On : 01 Oct 2020 12:20
 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
 10/2/2020 3:13:19 PM

Quant Time: Oct 01 15:13:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:02:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	458188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	718203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	651054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	91401	20.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.42%	
35) Dibromofluoromethane	7.91	113	99780	21.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.44%	
50) Toluene-d8	10.34	98	356408	20.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.60%	
62) 4-Bromofluorobenzene	12.63	95	119952	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	96446	23.182	ug/l	91
3) Chloromethane	2.21	50	80129	21.960	ug/l	99
4) Vinyl Chloride	2.35	62	75233	20.562	ug/l	98
5) Bromomethane	2.76	94	55543	20.828	ug/l	99
6) Chloroethane	2.92	64	47224	21.194	ug/l	91
7) Trichlorofluoromethane	3.27	101	166723	20.510	ug/l	99
8) Diethyl Ether	3.71	74	42152	20.911	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	96139	20.924	ug/l	100
10) Methyl Iodide	4.30	142	88037	19.720	ug/l	100
11) Tert butyl alcohol	5.21	59	38047	101.276	ug/l #	86
12) 1,1-Dichloroethene	4.07	96	89873	20.808	ug/l	95
13) Acrolein	3.92	56	31291	105.888	ug/l	98
14) Allyl chloride	4.72	41	115699	20.620	ug/l	99
15) Acrylonitrile	5.42	53	77914	105.020	ug/l	94
16) Acetone	4.16	43	67000	99.453	ug/l	100
17) Carbon Disulfide	4.41	76	278452	21.007	ug/l	100
18) Methyl Acetate	4.72	43	35055	20.703	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	161884	20.531	ug/l	99
20) Methylene Chloride	4.97	84	121209	19.737	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	103193	20.994	ug/l	97
22) Diisopropyl ether	6.36	45	218291	21.310	ug/l	96
23) Vinyl Acetate	6.31	43	598433	103.093	ug/l	100
24) 1,1-Dichloroethane	6.27	63	167009	21.125	ug/l	98
25) 2-Butanone	7.21	43	98584	103.215	ug/l	99
26) 2,2-Dichloropropane	7.21	77	156681	20.656	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	108184	20.608	ug/l	96
28) Bromochloromethane	7.54	49	62330	20.416	ug/l	98
29) Tetrahydrofuran	7.56	42	55809	101.620	ug/l	99
30) Chloroform	7.71	83	180693	21.070	ug/l	95
31) Cyclohexane	7.98	56	136993	20.669	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	168807	21.239	ug/l	97
36) 1,1-Dichloropropene	8.11	75	136974	20.461	ug/l	99
37) Ethyl Acetate	7.29	43	47467	20.468	ug/l	98
38) Carbon Tetrachloride	8.10	117	152829	21.099	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	140572	19.861	ug/l	96
40) Benzene	8.35	78	389669	20.956	ug/l	99
41) Methacrylonitrile	7.53	41	26750	21.350	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	108148	20.814	ug/l	97
43) Isopropyl Acetate	8.45	43	85698	20.059	ug/l	98
44) Trichloroethene	9.11	130	116621	21.004	ug/l	99
45) 1,2-Dichloropropane	9.38	63	91312	20.900	ug/l	92
46) Dibromomethane	9.47	93	52245	20.806	ug/l	97
47) Bromodichloromethane	9.66	83	135474	20.755	ug/l	99
48) Methyl methacrylate	9.46	41	41449	18.937	ug/l	87
49) 1,4-Dioxane	9.47	88	11028	420.799	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	221791	104.223	ug/l	98
52) Toluene	10.40	92	251558	21.002	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	121075	20.754	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	151316	21.242	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	74136	21.236	ug/l	97
56) Ethyl methacrylate	10.66	69	73864	20.493	ug/l	96
57) 1,3-Dichloropropane	10.94	76	116993	20.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	210861	105.108	ug/l	99
59) 2-Hexanone	10.98	43	150068	105.656	ug/l	100
60) Dibromochloromethane	11.14	129	96775	20.798	ug/l	97
61) 1,2-Dibromoethane	11.25	107	69681	20.776	ug/l	93
64) Tetrachloroethene	10.87	164	100483	21.230	ug/l	90
65) Chlorobenzene	11.67	112	276182	21.329	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	103978	21.110	ug/l	100
67) Ethyl Benzene	11.74	91	463565	20.894	ug/l	97
68) m/p-Xylenes	11.85	106	370666	42.870	ug/l	99
69) o-Xylene	12.18	106	164561	21.283	ug/l	98
70) Styrene	12.20	104	286810	21.602	ug/l	99
71) Bromoform	12.36	173	52487	20.529	ug/l #	100
73) Isopropylbenzene	12.48	105	448119	20.792	ug/l	100
74) N-amyl acetate	12.29	43	80441	20.762	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	75764	20.864	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	60308m	22.291	ug/l	
77) Bromobenzene	12.76	156	108807	20.907	ug/l	98
78) n-propylbenzene	12.82	91	537406	21.098	ug/l	99
79) 2-Chlorotoluene	12.91	91	309962	21.269	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	384355	21.107	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22105	19.933	ug/l	99
82) 4-Chlorotoluene	13.01	91	330195	21.295	ug/l	99
83) tert-Butylbenzene	13.23	119	313225	20.426	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	386701	21.279	ug/l	98
85) sec-Butylbenzene	13.40	105	450111	20.844	ug/l	100
86) p-Isopropyltoluene	13.52	119	420263	20.992	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	214077	21.119	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	210093	20.728	ug/l	98
89) n-Butylbenzene	13.85	91	377667	20.641	ug/l	99
90) Hexachloroethane	14.11	117	70015	19.965	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	184818	20.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11238	19.198	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	116801	20.397	ug/l	96
94) Hexachlorobutadiene	15.28	225	68832	19.572	ug/l	96
95) Naphthalene	15.41	128	185625	19.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	101143	20.347	ug/l	98

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

