

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066352.D
 Acq On : 21 Aug 2020 10:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:36:29 PM

Quant Time: Aug 21 13:00:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 12:48:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	243731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	352636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166467	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	12862	5.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.64%	
35) Dibromofluoromethane	7.92	113	11687	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	10.34	98	42603	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
62) 4-Bromofluorobenzene	12.63	95	15782	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	11274	5.232	ug/l	90
3) Chloromethane	2.21	50	8090	4.888	ug/l	100
4) Vinyl Chloride	2.35	62	8824	5.863	ug/l	89
5) Bromomethane	2.77	94	6724	6.650	ug/l	82
6) Chloroethane	2.92	64	5379	5.775	ug/l	95
7) Trichlorofluoromethane	3.27	101	24052	6.088	ug/l	88
8) Diethyl Ether	3.71	74	5281	4.939	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	11697	5.167	ug/l	99
10) Methyl Iodide	4.29	142	11137	6.026	ug/l	94
11) Tert butyl alcohol	5.21	59	7486m	34.156	ug/l	
12) 1,1-Dichloroethene	4.06	96	10698	4.994	ug/l	95
13) Acrolein	3.92	56	2741m	16.671	ug/l	
14) Allyl chloride	4.71	41	13314	4.185	ug/l	98
15) Acrylonitrile	5.42	53	10134	22.630	ug/l	96
16) Acetone	4.16	43	12885	31.136	ug/l	94
17) Carbon Disulfide	4.41	76	31485	4.651	ug/l	98
18) Methyl Acetate	4.71	43	4107	4.021	ug/l	92
19) Methyl tert-butyl Ether	5.46	73	24804	5.005	ug/l	97
20) Methylene Chloride	4.96	84	24615	8.797	ug/l #	92
21) trans-1,2-Dichloroethene	5.48	96	13081	5.324	ug/l #	81
22) Diisopropyl ether	6.36	45	26123	4.153	ug/l	96
23) Vinyl Acetate	6.30	43	79643	21.461	ug/l	99
24) 1,1-Dichloroethane	6.26	63	19069	4.825	ug/l #	81
25) 2-Butanone	7.21	43	14082	23.814	ug/l	96
26) 2,2-Dichloropropane	7.21	77	21632	5.895	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	13127	5.075	ug/l	97
28) Bromochloromethane	7.54	49	5970	4.313	ug/l #	96
29) Tetrahydrofuran	7.56	42	7148	19.808	ug/l	96
30) Chloroform	7.71	83	21907	5.176	ug/l	92
31) Cyclohexane	7.97	56	20672	5.520	ug/l #	76
32) 1,1,1-Trichloroethane	7.90	97	23575	5.868	ug/l	98
36) 1,1-Dichloropropene	8.10	75	17057	5.163	ug/l	98
37) Ethyl Acetate	7.30	43	5233	4.054	ug/l #	89
38) Carbon Tetrachloride	8.09	117	22154	5.822	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	20625	5.143	ug/l #	92
40) Benzene	8.35	78	44907	4.910	ug/l #	89
41) Methacrylonitrile	7.53	41	3707	4.799	ug/l #	18
42) 1,2-Dichloroethane	8.43	62	15911	5.745	ug/l	99
43) Isopropyl Acetate	8.44	43	11338	4.453	ug/l #	80
44) Trichloroethene	9.10	130	14768	5.314	ug/l	86
45) 1,2-Dichloropropane	9.38	63	10170	4.596	ug/l	89
46) Dibromomethane	9.47	93	6247	5.055	ug/l	95
47) Bromodichloromethane	9.66	83	16691	5.062	ug/l	99
48) Methyl methacrylate	9.44	41	6333	4.942	ug/l #	83
49) 1,4-Dioxane	9.46	88	1409	89.116	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	26962	20.807	ug/l	100
52) Toluene	10.40	92	28109	4.655	ug/l	92
53) t-1,3-Dichloropropene	10.62	75	16084	5.142	ug/l #	88
54) cis-1,3-Dichloropropene	10.09	75	17528	4.815	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	9051	5.121	ug/l #	83
56) Ethyl methacrylate	10.66	69	8883	4.208	ug/l	99
57) 1,3-Dichloropropane	10.94	76	14034	4.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	19190	20.486	ug/l	92
59) 2-Hexanone	10.98	43	18355	20.090	ug/l	100
60) Dibromochloromethane	11.14	129	12855	5.220	ug/l	98
61) 1,2-Dibromoethane	11.24	107	8477	4.999	ug/l	100
64) Tetrachloroethene	10.87	164	13386	5.462	ug/l	93
65) Chlorobenzene	11.67	112	33735	5.209	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	14183	5.579	ug/l	97
67) Ethyl Benzene	11.74	91	56668	5.030	ug/l	92
68) m/p-Xylenes	11.86	106	44006	10.130	ug/l	97
69) o-Xylene	12.18	106	19648	4.980	ug/l	97
70) Styrene	12.20	104	34136	4.942	ug/l	96
71) Bromoform	12.36	173	7967	5.317	ug/l #	94
73) Isopropylbenzene	12.48	105	56755	5.082	ug/l	99
74) N-amyl acetate	12.28	43	9756	4.089	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	8519	4.575	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	7293m	5.311	ug/l	
77) Bromobenzene	12.77	156	15232	5.296	ug/l	97
78) n-propylbenzene	12.83	91	66580	5.142	ug/l	100
79) 2-Chlorotoluene	12.91	91	38250	5.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	48018	5.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	2828	4.561	ug/l	93
82) 4-Chlorotoluene	13.01	91	40283	5.149	ug/l	100
83) tert-Butylbenzene	13.23	119	43734	5.326	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	46617	4.987	ug/l	99
85) sec-Butylbenzene	13.41	105	53768	4.856	ug/l	98
86) p-Isopropyltoluene	13.52	119	53687	5.143	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	29423	5.451	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	28316	5.275	ug/l	91
89) n-Butylbenzene	13.84	91	48113	5.161	ug/l	98
90) Hexachloroethane	14.11	117	10899	5.246	ug/l	91
91) 1,2-Dichlorobenzene	13.90	146	22853	4.813	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1972	6.000	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	18443	5.223	ug/l	99
94) Hexachlorobutadiene	15.27	225	11598	5.508	ug/l	95
95) Naphthalene	15.41	128	27860	4.880	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	15117	4.865	ug/l	97

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

