

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060970.D
 Acq On : 7 Mar 2019 16:03
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:24 PM

Quant Time: Mar 08 02:17:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	730435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1203906	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1057605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	438574	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	123687	20.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	41.00%	
35) Dibromofluoromethane	6.92	113	174922	18.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.46%	
50) Toluene-d8	10.40	98	468133	19.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.80%	
62) 4-Bromofluorobenzene	13.55	95	176727	19.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	162188	20.257	ug/l	96
3) Chloromethane	1.76	50	137516	20.763	ug/l	98
4) Vinyl Chloride	1.86	62	125463	20.844	ug/l	99
5) Bromomethane	2.16	94	20302	19.357	ug/l	83
6) Chloroethane	2.26	64	27369	18.252	ug/l #	83
7) Trichlorofluoromethane	2.53	101	153702	20.667	ug/l	95
8) Diethyl Ether	2.88	74	57154	18.156	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	202483	21.023	ug/l	99
10) Methyl Iodide	3.32	142	218741	19.183	ug/l	98
11) Tert butyl alcohol	4.06	59	36670	82.744	ug/l	100
12) 1,1-Dichloroethene	3.13	96	161888	19.819	ug/l	99
13) Acrolein	3.04	56	60120	99.032	ug/l	94
14) Allyl chloride	3.62	41	238456	17.646	ug/l	96
15) Acrylonitrile	4.20	53	145457	87.022	ug/l	96
16) Acetone	3.23	43	177480	90.009	ug/l	99
17) Carbon Disulfide	3.39	76	530372	18.281	ug/l	99
18) Methyl Acetate	3.64	43	66755	16.481	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	273010	18.790	ug/l	96
20) Methylene Chloride	3.82	84	179443	16.313	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	170883	19.034	ug/l	97
22) Diisopropyl ether	5.13	45	514442	18.076	ug/l	96
23) Vinyl Acetate	5.05	43	1342219	89.996	ug/l	97
24) 1,1-Dichloroethane	4.98	63	284040	18.560	ug/l	98
25) 2-Butanone	6.06	43	198443	81.844	ug/l	98
26) 2,2-Dichloropropane	6.02	77	219415	19.293	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	178358	17.636	ug/l	98
28) Bromochloromethane	6.44	49	107550	16.911	ug/l	94
29) Tetrahydrofuran	6.46	42	108637	85.661	ug/l	99
30) Chloroform	6.66	83	294349	19.877	ug/l	97
31) Cyclohexane	6.96	56	207782	15.999	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	253745	19.922	ug/l	98
36) 1,1-Dichloropropene	7.14	75	232324	21.046	ug/l	98
37) Ethyl Acetate	6.18	43	103792	18.403	ug/l	97
38) Carbon Tetrachloride	7.11	117	255281	21.337	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	221679	18.426	ug/l	97
40) Benzene	7.45	78	568369	19.953	ug/l	98
41) Methacrylonitrile	6.45	41	119821	29.639	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	162027	20.095	ug/l	97
43) Isopropyl Acetate	9.23	43	150942	19.232	ug/l #	97
44) Trichloroethene	8.53	130	184580	19.097	ug/l	98
45) 1,2-Dichloropropane	8.94	63	148632	19.857	ug/l	99
46) Dibromomethane	9.06	93	89783	18.749	ug/l	96
47) Bromodichloromethane	9.37	83	202599	19.062	ug/l	95
48) Methyl methacrylate	9.12	41	78089	17.598	ug/l	96
49) 1,4-Dioxane	9.08	88	14827	325.569	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	456200	95.196	ug/l	98
52) Toluene	10.50	92	322905	17.812	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	187791	19.447	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	238029	20.097	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	110854	18.494	ug/l	96
56) Ethyl methacrylate	11.03	69	114529	18.203	ug/l	96
57) 1,3-Dichloropropane	11.40	76	174186	20.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	293059	86.992	ug/l	100
59) 2-Hexanone	11.53	43	344228	102.365	ug/l	99
60) Dibromochloromethane	11.67	129	170362	19.672	ug/l	99
61) 1,2-Dibromoethane	11.80	107	129815	18.431	ug/l	98
64) Tetrachloroethene	11.25	164	144061	18.017	ug/l	96
65) Chlorobenzene	12.39	112	432103	18.656	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	160545	19.161	ug/l	98
67) Ethyl Benzene	12.52	91	675871	19.945	ug/l	99
68) m/p-Xylenes	12.66	106	496347	36.524	ug/l	93
69) o-Xylene	13.04	106	258181	20.429	ug/l	91
70) Styrene	13.06	104	427534	20.268	ug/l	99
71) Bromoform	13.23	173	97777	18.543	ug/l	96
73) Isopropylbenzene	13.40	105	695924	20.762	ug/l	98
74) N-amyl acetate	13.26	43	190678	18.818	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	130176	18.714	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	130029	18.393	ug/l	99
77) Bromobenzene	13.66	156	165252	18.760	ug/l	91
78) n-propylbenzene	13.77	91	772713	19.748	ug/l	99
79) 2-Chlorotoluene	13.83	91	460935	21.047	ug/l	93
80) 1,3,5-Trimethylbenzene	14.23	105	534082	20.622	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	41447	19.888	ug/l	95
82) 4-Chlorotoluene	13.94	91	524484	21.324	ug/l	94
83) tert-Butylbenzene	14.18	119	592045m	20.535	ug/l	
84) 1,2,4-Trimethylbenzene	14.23	105	534082	20.622	ug/l	100
85) sec-Butylbenzene	14.36	105	725598	21.567	ug/l	96
86) p-Isopropyltoluene	14.49	119	555771	20.051	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	302764	20.221	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	313305	21.146	ug/l	97
89) n-Butylbenzene	14.80	91	521630	20.108	ug/l	97
90) Hexachloroethane	15.00	117	151225	18.923	ug/l	77
91) 1,2-Dichlorobenzene	14.81	146	257120	19.688	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14583	17.847	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	123011	16.701	ug/l	98
94) Hexachlorobutadiene	16.04	225	95084	20.195	ug/l	97
95) Naphthalene	16.12	128	192064	16.876	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	60293	15.090	ug/l	97

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

