

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060974.D
 Acq On : 7 Mar 2019 18:21
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030719

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:30 PM

Quant Time: Mar 08 02:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	833111	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1391989	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1130172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	470105	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	323062	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	6.91	113	495628	47.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.40	98	1257351	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	13.55	95	480955	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.59	85	372250	45.108	ug/l	99
3) Chloromethane	1.76	50	317380	46.167	ug/l	98
4) Vinyl Chloride	1.85	62	270890	42.644	ug/l	96
5) Bromomethane	2.16	94	55628	49.201	ug/l	94
6) Chloroethane	2.28	64	89618	47.133	ug/l	92
7) Trichlorofluoromethane	2.53	101	399006	43.725	ug/l	97
8) Diethyl Ether	2.88	74	152720	50.731	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	469095	45.979	ug/l	98
10) Methyl Iodide	3.31	142	632062	45.281	ug/l	99
11) Tert butyl alcohol	4.06	59	110127m	249.452	ug/l	
12) 1,1-Dichloroethene	3.13	96	394709	47.199	ug/l	91
13) Acrolein	3.04	56	158887	248.737	ug/l	98
14) Allyl chloride	3.63	41	640167	47.844	ug/l	98
15) Acrylonitrile	4.19	53	386177	247.499	ug/l	97
16) Acetone	3.22	43	436544	220.139	ug/l	98
17) Carbon Disulfide	3.38	76	1313801	46.572	ug/l	99
18) Methyl Acetate	3.64	43	195942	50.208	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	724731	49.450	ug/l	99
20) Methylene Chloride	3.81	84	433763	47.764	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	434793	48.035	ug/l	95
22) Diisopropyl ether	5.11	45	1265253	45.552	ug/l	98
23) Vinyl Acetate	5.05	43	3381728	237.168	ug/l	99
24) 1,1-Dichloroethane	4.98	63	706489	46.423	ug/l	100
25) 2-Butanone	6.06	43	539908	239.938	ug/l	99
26) 2,2-Dichloropropane	6.02	77	518717	43.661	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	458947	47.789	ug/l	98
28) Bromochloromethane	6.43	49	341051	52.936	ug/l	95
29) Tetrahydrofuran	6.44	42	300728	246.124	ug/l	99
30) Chloroform	6.66	83	682813	43.290	ug/l	99
31) Cyclohexane	6.94	56	573935	46.771	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	591016	43.341	ug/l	99
36) 1,1-Dichloropropene	7.14	75	538119	44.848	ug/l	99
37) Ethyl Acetate	6.18	43	252079	44.770	ug/l	97
38) Carbon Tetrachloride	7.10	117	561862m	42.511	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	544620	43.774	ug/l	96
40) Benzene	7.45	78	1439504	48.012	ug/l	99
41) Methacrylonitrile	6.43	41	314759	48.601	ug/l	95
42) 1,2-Dichloroethane	7.57	62	396366	45.556	ug/l	99
43) Isopropyl Acetate	9.23	43	372873	47.813	ug/l #	99
44) Trichloroethene	8.53	130	511997	49.499	ug/l	99
45) 1,2-Dichloropropane	8.93	63	362851	46.065	ug/l	100
46) Dibromomethane	9.05	93	237321	47.497	ug/l	95
47) Bromodichloromethane	9.37	83	518970	46.028	ug/l	98
48) Methyl methacrylate	9.11	41	222007	50.561	ug/l	97
49) 1,4-Dioxane	9.07	88	50028	1126.765	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	1111835	232.718	ug/l	97
52) Toluene	10.50	92	866712	46.488	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	501888	48.680	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	573148	46.268	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	290230	46.745	ug/l	96
56) Ethyl methacrylate	11.03	69	314448	48.385	ug/l	98
57) 1,3-Dichloropropane	11.39	76	411364	44.336	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	827851	240.656	ug/l	99
59) 2-Hexanone	11.52	43	861157	246.411	ug/l	97
60) Dibromochloromethane	11.68	129	418462	45.796	ug/l	97
61) 1,2-Dibromoethane	11.80	107	336513	46.592	ug/l	99
64) Tetrachloroethene	11.25	164	373898	49.009	ug/l	98
65) Chlorobenzene	12.39	112	1072616	48.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	377633	47.816	ug/l	99
67) Ethyl Benzene	12.52	91	1557137	47.207	ug/l	100
68) m/p-Xylenes	12.66	106	1126367	87.002	ug/l	98
69) o-Xylene	13.05	106	614980	48.325	ug/l	96
70) Styrene	13.07	104	982296	47.271	ug/l	98
71) Bromoform	13.22	173	237457	46.608	ug/l #	99
73) Isopropylbenzene	13.40	105	1582824	46.719	ug/l	100
74) N-amyl acetate	13.25	43	458264	48.038	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	335919	50.819	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	329659	48.742	ug/l	99
77) Bromobenzene	13.67	156	434095	50.193	ug/l	97
78) n-propylbenzene	13.77	91	1868069	47.099	ug/l	98
79) 2-Chlorotoluene	13.83	91	1022759	46.838	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	1156653	44.971	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	107136	53.730	ug/l	93
82) 4-Chlorotoluene	13.94	91	1121645	43.451	ug/l	97
83) tert-Butylbenzene	14.18	119	1381780m	49.090	ug/l	
84) 1,2,4-Trimethylbenzene	14.23	105	1156653	44.971	ug/l	98
85) sec-Butylbenzene	14.37	105	1715086	49.911	ug/l	97
86) p-Isopropyltoluene	14.48	119	1342597	47.799	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	754701	48.870	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	744082	49.031	ug/l	98
89) n-Butylbenzene	14.79	91	1220537	45.249	ug/l	99
90) Hexachloroethane	15.00	117	390599	49.248	ug/l	72
91) 1,2-Dichlorobenzene	14.80	146	634581	49.291	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	41560	52.175	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	314769	52.704	ug/l	99
94) Hexachlorobutadiene	16.03	225	235286	52.084	ug/l	97
95) Naphthalene	16.12	128	512362	56.454	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	167881	56.913	ug/l	98

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

