

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060915.D
 Acq On : 1 Mar 2019 18:27
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD030119

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:12 AM

Quant Time: Mar 02 02:13:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	752417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1254227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1029047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	483826	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	311634	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
35) Dibromofluoromethane	6.91	113	525212	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
50) Toluene-d8	10.40	98	1212171	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	13.55	95	430431	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.58	85	374361	45.626	ug/l	99
3) Chloromethane	1.76	50	300112	59.497	ug/l	99
4) Vinyl Chloride	1.85	62	275484	58.765	ug/l	99
5) Bromomethane	2.15	94	54514	62.152	ug/l #	91
6) Chloroethane	2.27	64	86285	67.833	ug/l	97
7) Trichlorofluoromethane	2.52	101	365402	48.086	ug/l	93
8) Diethyl Ether	2.87	74	165670	126.780	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	467738	100.095	ug/l	93
10) Methyl Iodide	3.30	142	648905	48.635	ug/l	99
11) Tert butyl alcohol	4.05	59	117391	276.438	ug/l	99
12) 1,1-Dichloroethene	3.12	96	397817	113.956	ug/l	93
13) Acrolein	3.03	56	156284	663.787	ug/l	94
14) Allyl chloride	3.62	41	678489	59.531	ug/l	91
15) Acrylonitrile	4.19	53	453507	342.007	ug/l	97
16) Acetone	3.21	43	476785	281.007	ug/l #	87
17) Carbon Disulfide	3.37	76	1468348	56.928	ug/l	99
18) Methyl Acetate	3.64	43	200181	56.865	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	765121	52.283	ug/l #	92
20) Methylene Chloride	3.81	84	483741	50.750	ug/l #	87
21) trans-1,2-Dichloroethene	4.22	96	463099	59.861	ug/l	95
22) Diisopropyl ether	5.11	45	1384938	61.948	ug/l	93
23) Vinyl Acetate	5.04	43	3779859	298.772	ug/l	99
24) 1,1-Dichloroethane	4.98	63	722997	59.198	ug/l	99
25) 2-Butanone	6.06	43	622312	277.896	ug/l	99
26) 2,2-Dichloropropane	6.01	77	565345	48.762	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	517222	60.883	ug/l	99
28) Bromochloromethane	6.43	49	361947	75.335	ug/l	97
29) Tetrahydrofuran	6.44	42	334088	299.391	ug/l	96
30) Chloroform	6.66	83	746469	51.666	ug/l	100
31) Cyclohexane	6.94	56	647570	63.927	ug/l	87
32) 1,1,1-Trichloroethane	6.86	97	636455	56.586	ug/l	99
36) 1,1-Dichloropropene	7.14	75	570637	43.486	ug/l	93
37) Ethyl Acetate	6.18	43	297573	48.236	ug/l	99
38) Carbon Tetrachloride	7.10	117	659729	54.183	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	580328	41.603	ug/l #	85
40) Benzene	7.45	78	1461516	44.816	ug/l	99
41) Methacrylonitrile	6.43	41	174046m	52.222	ug/l	
42) 1,2-Dichloroethane	7.57	62	404946	45.657	ug/l	98
43) Isopropyl Acetate	9.23	43	420088	48.073	ug/l #	99
44) Trichloroethene	8.53	130	496274	46.666	ug/l	98
45) 1,2-Dichloropropane	8.93	63	389439	51.123	ug/l	99
46) Dibromomethane	9.06	93	250458	45.759	ug/l	94
47) Bromodichloromethane	9.37	83	525868	40.510	ug/l	100
48) Methyl methacrylate	9.11	41	237410	47.189	ug/l	94
49) 1,4-Dioxane	9.07	88	53775	1020.329	ug/l	89
51) 4-Methyl-2-Pentanone	10.29	43	1166361	216.372	ug/l	92
52) Toluene	10.50	92	883209	46.761	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	503439	42.012	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	610778	44.240	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	292490	45.145	ug/l	93
56) Ethyl methacrylate	11.04	69	341615	46.334	ug/l	94
57) 1,3-Dichloropropane	11.40	76	452798	42.435	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	871308	246.656	ug/l	97
59) 2-Hexanone	11.52	43	874248	211.245	ug/l	95
60) Dibromochloromethane	11.68	129	461208	49.539	ug/l	97
61) 1,2-Dibromoethane	11.80	107	372755	50.824	ug/l	100
64) Tetrachloroethene	11.25	164	385665	41.944	ug/l #	90
65) Chlorobenzene	12.40	112	1013845	48.610	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	394522	47.534	ug/l	96
67) Ethyl Benzene	12.52	91	1568929	44.196	ug/l	92
68) m/p-Xylenes	12.66	106	1303766	103.909	ug/l	81
69) o-Xylene	13.05	106	630240	52.153	ug/l	78
70) Styrene	13.07	104	1041086	51.260	ug/l	97
71) Bromoform	13.23	173	258033	39.094	ug/l #	99
73) Isopropylbenzene	13.40	105	1670873	59.020	ug/l	97
74) N-amyl acetate	13.26	43	514564	52.589	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	352165	50.508	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	361826	50.259	ug/l	99
77) Bromobenzene	13.67	156	460266	50.515	ug/l	91
78) n-propylbenzene	13.78	91	2000063	52.947	ug/l	90
79) 2-Chlorotoluene	13.83	91	1083235	50.137	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	1276396	54.859	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	116096	50.613	ug/l	97
82) 4-Chlorotoluene	13.94	91	1134557	47.864	ug/l	98
83) tert-Butylbenzene	14.19	119	1469775	54.703	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1276396	54.859	ug/l	95
85) sec-Butylbenzene	14.37	105	1639286	54.650	ug/l	95
86) p-Isopropyltoluene	14.48	119	1341165	53.243	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	805054	48.310	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	802062	49.836	ug/l	96
89) n-Butylbenzene	14.80	91	1224275	46.913	ug/l	99
90) Hexachloroethane	15.01	117	408457	57.145	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	665615	47.972	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	44661	45.737	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	385058	39.214	µg/l	99
94) Hexachlorobutadiene	16.04	225	251928	42.761	µg/l	100
95) Naphthalene	16.12	128	631683	42.670	µg/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	224709	29.758	µg/l	96

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

