

Data File : VX011904.D
Acq On : 30 Aug 2019 12:45
Operator : SY/SP
Sample : MDL04
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Quant Time: Aug 31 11:55:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	365261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	489783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	457033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	268882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	161625	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	5.48	113	147330	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	8.71	98	557698	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.13	95	227849	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	7074	3.209	ug/l	97
3) Chloromethane	1.31	50	7217	2.824	ug/l	100
4) Vinyl Chloride	1.40	62	7174	2.940	ug/l	92
5) Bromomethane	1.63	94	6258	3.706	ug/l	99
6) Chloroethane	1.72	64	3881	2.555	ug/l	94
7) Trichlorofluoromethane	1.92	101	12312	2.905	ug/l	100
8) Diethyl Ether	2.17	74	4309	2.958	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8287	3.000	ug/l	95
10) Methyl Iodide	2.50	142	3187	1.239	ug/l	95
11) Tert butyl alcohol	3.03	59	5273	15.662	ug/l	95
12) 1,1-Dichloroethene	2.36	96	7381	2.877	ug/l	95
13) Acrolein	2.28	56	2138	12.759	ug/l	91
14) Allyl chloride	2.72	41	12782	2.656	ug/l	98
15) Acrylonitrile	3.13	53	10157	12.696	ug/l	96
16) Acetone	2.43	43	13189	17.516	ug/l	96
17) Carbon Disulfide	2.56	76	19590	2.662	ug/l	99
18) Methyl Acetate	2.76	43	6563	3.149	ug/l	94
19) Methyl tert-butyl Ether	3.19	73	22417	2.697	ug/l	98
20) Methylene Chloride	2.84	84	15479	4.142	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	8398	2.779	ug/l	94
22) Diisopropyl ether	3.84	45	25483	2.594	ug/l #	80
23) Vinyl Acetate	3.80	43	75086	11.888	ug/l	100
24) 1,1-Dichloroethane	3.69	63	13926	2.571	ug/l	97
25) 2-Butanone	4.67	43	14560	13.277	ug/l	96
26) 2,2-Dichloropropane	4.56	77	12397	2.728	ug/l	92
27) cis-1,2-Dichloroethene	4.58	96	9541	2.680	ug/l	98
28) Bromochloromethane	5.00	49	6827	2.808	ug/l	90
29) Tetrahydrofuran	5.13	42	9739	14.228	ug/l	95
30) Chloroform	5.20	83	17476	3.017	ug/l	100
31) Cyclohexane	5.57	56	12718	2.910	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	14150	2.750	ug/l	97
36) 1,1-Dichloropropene	5.79	75	10886	2.805	ug/l	92
37) Ethyl Acetate	4.83	43	5158	2.246	ug/l #	86
38) Carbon Tetrachloride	5.78	117	13148	2.922	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	14159	3.064	ug/l	92
40) Benzene	6.13	78	31636	2.731	ug/l	98
41) Methacrylonitrile	5.03	41	3477	2.571	ug/l #	92
42) 1,2-Dichloroethane	6.18	62	10859	2.757	ug/l	93
43) Isopropyl Acetate	6.44	43	11984	2.573	ug/l	97
44) Trichloroethene	7.20	130	9895	2.761	ug/l	95
45) 1,2-Dichloropropane	7.51	63	8538	2.818	ug/l	96
46) Dibromomethane	7.65	93	4898	2.724	ug/l	96
47) Bromodichloromethane	7.89	83	11839	2.655	ug/l	95
48) Methyl methacrylate	7.77	41	6245	2.756	ug/l	94
49) 1,4-Dioxane	7.75	88	1882	60.402	ug/l #	83
51) 4-Methyl-2-Pentanone	8.64	43	31475	13.305	ug/l	99
52) Toluene	8.78	92	21144	2.759	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	12404	2.716	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	13686	2.669	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	7238	2.750	ug/l	93
56) Ethyl methacrylate	9.17	69	9577	2.621	ug/l	95
57) 1,3-Dichloropropane	9.37	76	11395	2.608	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	21880	12.574	ug/l	98
59) 2-Hexanone	9.49	43	22191	13.205	ug/l	98
60) Dibromochloromethane	9.58	129	8967	2.536	ug/l	94
61) 1,2-Dibromoethane	9.67	107	7131	2.732	ug/l	100
64) Tetrachloroethene	9.33	164	11334	3.083	ug/l	92
65) Chlorobenzene	10.14	112	24161	2.728	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	9660	2.697	ug/l	99
67) Ethyl Benzene	10.25	91	41889	2.781	ug/l	98
68) m/p-Xylenes	10.35	106	33188	5.705	ug/l	97
69) o-Xylene	10.70	106	15465	2.728	ug/l	98
70) Styrene	10.71	104	26004	2.603	ug/l	98
71) Bromoform	10.85	173	6608	2.609	ug/l #	97
73) Isopropylbenzene	11.01	105	42828	2.772	ug/l	99
74) N-amyl acetate	10.89	43	11371	2.480	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.26	83	8902	2.815	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	7283m	2.753	ug/l	
77) Bromobenzene	11.25	156	12251	2.734	ug/l	98
78) n-propylbenzene	11.35	91	48952	2.794	ug/l	97
79) 2-Chlorotoluene	11.42	91	29343	2.783	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	36505	2.737	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	2976m	2.827	ug/l	
82) 4-Chlorotoluene	11.51	91	35355	2.779	ug/l	98
83) tert-Butylbenzene	11.76	119	37280	2.755	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	37606	2.752	ug/l	100
85) sec-Butylbenzene	11.94	105	44449	2.828	ug/l	99
86) p-Isopropyltoluene	12.06	119	42717	2.803	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	22998	2.762	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	23246	2.761	ug/l	85
89) n-Butylbenzene	12.39	91	37902	2.811	ug/l	100
90) Hexachloroethane	12.59	117	7926	2.688	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	21346	2.757	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2010	3.191	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	18320	2.810	ug/l	99
94) Hexachlorobutadiene	13.78	225	12846	2.951	ug/l	98
95) Naphthalene	13.83	128	30123	2.692	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	16743	2.840	ug/l	98

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

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