

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011967.D
 Acq On : 31 Aug 2019 23:48
 Operator : SY/SP
 Sample : VX0831SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS02

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:49 PM

Quant Time: Sep 01 03:54:15 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	5.64	168	314573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	458414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	435994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	259828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	158213	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	5.48	113	151177	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	8.71	98	528741	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	223216	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	38129	20.083	ug/l	98
3) Chloromethane	1.31	50	43127	19.595	ug/l	100
4) Vinyl Chloride	1.39	62	40663	19.348	ug/l	99
5) Bromomethane	1.62	94	30273	20.818	ug/l	100
6) Chloroethane	1.70	64	26331	20.130	ug/l	98
7) Trichlorofluoromethane	1.91	101	69901	19.151	ug/l	98
8) Diethyl Ether	2.17	74	25153	20.052	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45127	18.970	ug/l	98
10) Methyl Iodide	2.50	142	44144	19.423	ug/l	99
11) Tert butyl alcohol	3.03	59	31320	108.015	ug/l	99
12) 1,1-Dichloroethene	2.36	96	43625	19.745	ug/l	98
13) Acrolein	2.28	56	13180	91.326	ug/l	96
14) Allyl chloride	2.71	41	82103	19.810	ug/l	99
15) Acrylonitrile	3.12	53	72343	104.995	ug/l	99
16) Acetone	2.43	43	62211	95.935	ug/l	98
17) Carbon Disulfide	2.55	76	112305	17.721	ug/l	99
18) Methyl Acetate	2.76	43	42895	23.896	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	157461	21.999	ug/l	100
20) Methylene Chloride	2.84	84	61627	19.253	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	53051	20.384	ug/l	98
22) Diisopropyl ether	3.84	45	180657	21.352	ug/l	97
23) Vinyl Acetate	3.80	43	535886	98.513	ug/l	100
24) 1,1-Dichloroethane	3.68	63	99626	21.353	ug/l	98
25) 2-Butanone	4.66	43	96308	101.970	ug/l	96
26) 2,2-Dichloropropane	4.57	77	74293	18.985	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	67340	21.967	ug/l	97
28) Bromochloromethane	5.00	49	44636	21.320	ug/l	95
29) Tetrahydrofuran	5.11	42	62595	106.182	ug/l	99
30) Chloroform	5.19	83	111324	22.315	ug/l	97
31) Cyclohexane	5.56	56	67427	17.917	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	93482	21.095	ug/l	99
36) 1,1-Dichloropropene	5.78	75	67811	18.672	ug/l	100
37) Ethyl Acetate	4.82	43	43667	20.312	ug/l	98
38) Carbon Tetrachloride	5.77	117	82399	19.563	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	75168	17.377	ug/l	96
40) Benzene	6.13	78	218442	20.150	ug/l	100
41) Methacrylonitrile	5.03	41	25348	20.026	ug/l	97
42) 1,2-Dichloroethane	6.18	62	77812	21.107	ug/l	99
43) Isopropyl Acetate	6.43	43	85020	19.506	ug/l	99
44) Trichloroethene	7.20	130	67996	20.272	ug/l	96
45) 1,2-Dichloropropane	7.50	63	58658	20.686	ug/l	98
46) Dibromomethane	7.65	93	35153	20.889	ug/l	99
47) Bromodichloromethane	7.89	83	86890	20.822	ug/l	98
48) Methyl methacrylate	7.76	41	42923	20.240	ug/l	99
49) 1,4-Dioxane	7.73	88	12331	422.838	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	221879	100.208	ug/l	99
52) Toluene	8.78	92	148167	20.660	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	85162	19.923	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	96083	20.024	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	52070	21.135	ug/l	99
56) Ethyl methacrylate	9.17	69	68061	19.905	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84978	20.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	165311	101.505	ug/l	99
59) 2-Hexanone	9.48	43	153805	97.790	ug/l	99
60) Dibromochloromethane	9.57	129	69497	21.003	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51621	21.133	ug/l	99
64) Tetrachloroethene	9.33	164	76293	21.754	ug/l	99
65) Chlorobenzene	10.14	112	175222	20.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	72601	21.249	ug/l	100
67) Ethyl Benzene	10.25	91	291059	20.252	ug/l	99
68) m/p-Xylenes	10.35	106	227505	40.996	ug/l	98
69) o-Xylene	10.70	106	111930	20.698	ug/l	100
70) Styrene	10.71	104	198860	20.863	ug/l	100
71) Bromoform	10.85	173	49417	20.455	ug/l #	98
73) Isopropylbenzene	11.01	105	294271	19.711	ug/l	100
74) N-amyl acetate	10.89	43	82347	18.587	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	61578	20.154	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	45536m	17.816	ug/l	
77) Bromobenzene	11.25	156	89567	20.686	ug/l	98
78) n-propylbenzene	11.35	91	327714	19.358	ug/l	99
79) 2-Chlorotoluene	11.42	91	205202	20.138	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	259657	20.150	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18160	17.849	ug/l	98
82) 4-Chlorotoluene	11.51	91	247609	20.142	ug/l	99
83) tert-Butylbenzene	11.76	119	261144	19.972	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	264335	20.016	ug/l	100
85) sec-Butylbenzene	11.94	105	295695	19.470	ug/l	99
86) p-Isopropyltoluene	12.06	119	288825	19.612	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	165801	20.604	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	167262	20.561	ug/l	99
89) n-Butylbenzene	12.39	91	243236	18.669	ug/l	100
90) Hexachloroethane	12.59	117	56882	19.965	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158435	21.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11996	19.710	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	128107	20.336	ug/l	99
94) Hexachlorobutadiene	13.78	225	81118	19.281	ug/l	100
95) Naphthalene	13.83	128	213304	19.729	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	116256	20.408	ug/l	100

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

