

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012297.D
 Acq On : 11 Sep 2019 12:49
 Operator : SY/SP
 Sample : VX0911SBSD01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:28 AM

Quant Time: Sep 12 06:22:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	104370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	182149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	166244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	82595	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	5.48	113	61884	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	8.71	98	240863	58.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.62%	
62) 4-Bromofluorobenzene	11.14	95	101952	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.19	85	20402	23.909	ug/l	96
3) Chloromethane	1.31	50	18295	23.785	ug/l	93
4) Vinyl Chloride	1.40	62	17965	23.556	ug/l	96
5) Bromomethane	1.62	94	8480	25.130	ug/l	100
6) Chloroethane	1.70	64	10930	21.432	ug/l	98
7) Trichlorofluoromethane	1.91	101	31842	23.070	ug/l	98
8) Diethyl Ether	2.17	74	10962	23.275	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22989	24.713	ug/l	98
10) Methyl Iodide	2.50	142	13559	15.314	ug/l	100
11) Tert butyl alcohol	3.03	59	18162m	110.769	ug/l	
12) 1,1-Dichloroethene	2.36	96	18649	23.613	ug/l	95
13) Acrolein	2.28	56	9745	126.336	ug/l	98
14) Allyl chloride	2.71	41	34669	21.532	ug/l	98
15) Acrylonitrile	3.13	53	38609	132.612	ug/l	98
16) Acetone	2.43	43	44147	126.382	ug/l	96
17) Carbon Disulfide	2.55	76	36384	21.939	ug/l	98
18) Methyl Acetate	2.76	43	19295	26.280	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	70551	22.621	ug/l	99
20) Methylene Chloride	2.84	84	24941	21.377	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	21374	22.684	ug/l	94
22) Diisopropyl ether	3.84	45	77550	21.060	ug/l	94
23) Vinyl Acetate	3.80	43	262929	116.377	ug/l	99
24) 1,1-Dichloroethane	3.68	63	43726	22.168	ug/l	99
25) 2-Butanone	4.65	43	59010	132.147	ug/l	95
26) 2,2-Dichloropropane	4.57	77	39941	21.568	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	26649	21.907	ug/l	99
28) Bromochloromethane	5.00	49	19460	21.036	ug/l #	99
29) Tetrahydrofuran	5.12	42	32618	135.382	ug/l	99
30) Chloroform	5.20	83	48468	21.791	ug/l	96
31) Cyclohexane	5.56	56	31594	23.059	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	41748	21.859	ug/l	99
36) 1,1-Dichloropropene	5.78	75	29711	22.370	ug/l	93
37) Ethyl Acetate	4.82	43	21883	26.653	ug/l	100
38) Carbon Tetrachloride	5.77	117	34746	22.298	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	34272	23.513	ug/l	98
40) Benzene	6.13	78	89524	22.271	ug/l	98
41) Methacrylonitrile	5.03	41	12753	25.196	ug/l	97
42) 1,2-Dichloroethane	6.18	62	36992	23.284	ug/l	99
43) Isopropyl Acetate	6.43	43	42615	24.619	ug/l	99
44) Trichloroethene	7.20	130	25171	23.138	ug/l	96
45) 1,2-Dichloropropane	7.51	63	24825	22.311	ug/l	94
46) Dibromomethane	7.65	93	14059	23.119	ug/l	98
47) Bromodichloromethane	7.89	83	34447	20.757	ug/l	92
48) Methyl methacrylate	7.76	41	20461	24.695	ug/l	99
49) 1,4-Dioxane	7.74	88	5907	528.343	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	120827	132.258	ug/l	99
52) Toluene	8.78	92	59500	22.409	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	34854	21.042	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	39262	21.376	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	22544	23.929	ug/l	99
56) Ethyl methacrylate	9.17	69	29832	23.386	ug/l	98
57) 1,3-Dichloropropane	9.37	76	37529	23.323	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	78905	120.688	ug/l	100
59) 2-Hexanone	9.48	43	86679	136.457	ug/l	98
60) Dibromochloromethane	9.57	129	23347	21.227	ug/l	97
61) 1,2-Dibromoethane	9.67	107	20893	23.824	ug/l	99
64) Tetrachloroethene	9.33	164	19921	22.658	ug/l	97
65) Chlorobenzene	10.14	112	68269	22.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	23630	20.636	ug/l	97
67) Ethyl Benzene	10.25	91	120774	22.355	ug/l	98
68) m/p-Xylenes	10.35	106	91269	45.893	ug/l	98
69) o-Xylene	10.70	106	43890	22.528	ug/l	100
70) Styrene	10.71	104	75381	21.817	ug/l	100
71) Bromoform	10.85	173	13495	22.727	ug/l #	97
73) Isopropylbenzene	11.01	105	121526	21.729	ug/l	99
74) N-amyl acetate	10.89	43	38759	23.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	29463	24.530	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	27184m	24.909	ug/l	
77) Bromobenzene	11.25	156	28097	21.821	ug/l	98
78) n-propylbenzene	11.35	91	144119	21.339	ug/l	99
79) 2-Chlorotoluene	11.42	91	89585	21.410	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	110653	22.001	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7452	20.459	ug/l	87
82) 4-Chlorotoluene	11.51	91	108154	21.508	ug/l	100
83) tert-Butylbenzene	11.76	119	105258	21.553	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	110844	21.319	ug/l	99
85) sec-Butylbenzene	11.94	105	124156	21.307	ug/l	99
86) p-Isopropyltoluene	12.06	119	115454	21.444	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	56991	21.727	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	59229	22.331	ug/l	98
89) n-Butylbenzene	12.39	91	116765	22.127	ug/l	98
90) Hexachloroethane	12.59	117	19352	19.514	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	52863	21.787	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6207	25.317	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	37005	22.084	ug/l	98
94) Hexachlorobutadiene	13.78	225	18787	22.537	ug/l	96
95) Naphthalene	13.83	128	84820	23.588	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	31802	21.450	ug/l	96

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

