

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012256.D
 Acq On : 10 Sep 2019 15:31
 Operator : SY/SP
 Sample : VX0910SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:57 AM

Quant Time: Sep 11 01:56:24 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	139509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245668	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	85908	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	
35) Dibromofluoromethane	5.48	113	70636	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	8.71	98	281908	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.13	95	113299	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25233	22.123	ug/l	98
3) Chloromethane	1.31	50	21532	20.943	ug/l	96
4) Vinyl Chloride	1.40	62	21563	21.152	ug/l	99
5) Bromomethane	1.62	94	10686	23.398	ug/l	98
6) Chloroethane	1.71	64	14418	21.151	ug/l	96
7) Trichlorofluoromethane	1.92	101	39612	21.470	ug/l	99
8) Diethyl Ether	2.18	74	11990	19.045	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27179	21.858	ug/l	99
10) Methyl Iodide	2.50	142	21245	17.951	ug/l	99
11) Tert butyl alcohol	3.03	59	20581	92.445	ug/l	99
12) 1,1-Dichloroethene	2.36	96	22445	21.262	ug/l	98
13) Acrolein	2.28	56	8619	83.594	ug/l	95
14) Allyl chloride	2.72	41	42397	19.699	ug/l	98
15) Acrylonitrile	3.13	53	31820	81.765	ug/l	96
16) Acetone	2.43	43	32103	68.755	ug/l	98
17) Carbon Disulfide	2.56	76	45481	20.517	ug/l	99
18) Methyl Acetate	2.76	43	15514	15.808	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	74139	17.784	ug/l	96
20) Methylene Chloride	2.84	84	30395	19.244	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	26095	20.719	ug/l	98
22) Diisopropyl ether	3.84	45	92271	18.746	ug/l	95
23) Vinyl Acetate	3.80	43	265168	87.806	ug/l	99
24) 1,1-Dichloroethane	3.69	63	53189	20.174	ug/l	100
25) 2-Butanone	4.66	43	46741	78.307	ug/l	94
26) 2,2-Dichloropropane	4.56	77	50803	20.524	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	32595	20.046	ug/l	99
28) Bromochloromethane	5.00	49	21040	17.015	ug/l	99
29) Tetrahydrofuran	5.12	42	26541	82.413	ug/l	98
30) Chloroform	5.20	83	58262	19.597	ug/l	99
31) Cyclohexane	5.57	56	39029	21.310	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	51647	20.231	ug/l	98
36) 1,1-Dichloropropene	5.79	75	39076	21.814	ug/l	99
37) Ethyl Acetate	4.83	43	18173	16.412	ug/l #	91
38) Carbon Tetrachloride	5.77	117	43519	20.707	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	42143	21.437	ug/l	94
40) Benzene	6.13	78	110979	20.470	ug/l	96
41) Methacrylonitrile	5.03	41	11369	16.654	ug/l	96
42) 1,2-Dichloroethane	6.18	62	39901	18.621	ug/l	100
43) Isopropyl Acetate	6.43	43	39212	16.796	ug/l	99
44) Trichloroethene	7.21	130	30198	20.582	ug/l	97
45) 1,2-Dichloropropane	7.50	63	29715	19.801	ug/l	95
46) Dibromomethane	7.65	93	15103	18.414	ug/l	98
47) Bromodichloromethane	7.89	83	41640	18.604	ug/l	98
48) Methyl methacrylate	7.76	41	18549	16.599	ug/l	95
49) 1,4-Dioxane	7.73	88	4904	325.220	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	100250	81.362	ug/l	99
52) Toluene	8.78	92	73146	20.426	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	40142	17.969	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	47194	19.051	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	22720	17.880	ug/l	99
56) Ethyl methacrylate	9.17	69	29446	17.115	ug/l	98
57) 1,3-Dichloropropane	9.37	76	39788	18.334	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	72324	82.020	ug/l	99
59) 2-Hexanone	9.49	43	68622	80.099	ug/l	99
60) Dibromochloromethane	9.57	129	26023	17.543	ug/l	97
61) 1,2-Dibromoethane	9.67	107	20550	17.374	ug/l	99
64) Tetrachloroethene	9.33	164	24883	21.456	ug/l	96
65) Chlorobenzene	10.14	112	81053	20.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	29686	19.654	ug/l	99
67) Ethyl Benzene	10.25	91	151402	21.246	ug/l	99
68) m/p-Xylenes	10.35	106	112872	43.028	ug/l	100
69) o-Xylene	10.70	106	54454	21.190	ug/l	98
70) Styrene	10.71	104	91783	20.139	ug/l	98
71) Bromoform	10.85	173	13389	17.095	ug/l #	99
73) Isopropylbenzene	11.01	105	151010	21.682	ug/l	100
74) N-amyl acetate	10.89	43	36409	17.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	27774	18.568	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	23516m	17.303	ug/l	
77) Bromobenzene	11.25	156	32568	20.310	ug/l	98
78) n-propylbenzene	11.35	91	186249	22.145	ug/l	99
79) 2-Chlorotoluene	11.42	91	110978	21.298	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	136073	21.725	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7571	16.691	ug/l	94
82) 4-Chlorotoluene	11.51	91	133651	21.342	ug/l	98
83) tert-Butylbenzene	11.77	119	130513	21.460	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	138238	21.350	ug/l	100
85) sec-Butylbenzene	11.94	105	156305	21.540	ug/l	100
86) p-Isopropyltoluene	12.06	119	143743	21.438	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	66517	20.364	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	66591	20.161	ug/l	98
89) n-Butylbenzene	12.38	91	141093	21.470	ug/l	99
90) Hexachloroethane	12.59	117	24636	19.948	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	60799	20.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5238	17.156	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	39694	19.022	µg/l	98
94) Hexachlorobutadiene	13.77	225	21361	20.577	µg/l	98
95) Naphthalene	13.83	128	76491	17.081	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	33722	18.265	µg/l	99

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

