

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012381.D
 Acq On : 13 Sep 2019 12:38
 Operator : SY/SP
 Sample : VX0913SBS03
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:23 AM

Quant Time: Sep 14 00:14:06 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	143302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	244634	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	92009	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	5.48	113	76062	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	8.71	98	288753	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.14	95	118223	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22737	19.407	ug/l	98
3) Chloromethane	1.31	50	21846	20.686	ug/l	96
4) Vinyl Chloride	1.40	62	21602	20.630	ug/l	97
5) Bromomethane	1.62	94	10042	20.972	ug/l	95
6) Chloroethane	1.71	64	13870	19.808	ug/l	99
7) Trichlorofluoromethane	1.92	101	37612	19.847	ug/l	99
8) Diethyl Ether	2.18	74	12435	19.229	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25805	20.203	ug/l	97
10) Methyl Iodide	2.50	142	16006	13.167	ug/l	100
11) Tert butyl alcohol	3.03	59	16450m	69.805	ug/l	
12) 1,1-Dichloroethene	2.36	96	21496	19.824	ug/l	97
13) Acrolein	2.28	56	7670	72.421	ug/l	100
14) Allyl chloride	2.71	41	41634	18.832	ug/l	99
15) Acrylonitrile	3.13	53	37597	94.053	ug/l	98
16) Acetone	2.43	43	43741	91.200	ug/l	97
17) Carbon Disulfide	2.55	76	40319	17.707	ug/l	99
18) Methyl Acetate	2.76	43	17996	17.852	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	77433	18.082	ug/l	97
20) Methylene Chloride	2.84	84	30315	18.605	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	25584	19.776	ug/l	92
22) Diisopropyl ether	3.84	45	95368	18.862	ug/l	96
23) Vinyl Acetate	3.80	43	284030	91.562	ug/l	99
24) 1,1-Dichloroethane	3.68	63	52474	19.376	ug/l	99
25) 2-Butanone	4.66	43	57008	92.980	ug/l	94
26) 2,2-Dichloropropane	4.57	77	49580	19.500	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	32456	19.432	ug/l	98
28) Bromochloromethane	5.00	49	21421	16.865	ug/l	100
29) Tetrahydrofuran	5.12	42	31557	95.395	ug/l	99
30) Chloroform	5.20	83	57907	18.962	ug/l	99
31) Cyclohexane	5.57	56	36717	19.517	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	49139	18.739	ug/l	98
36) 1,1-Dichloropropene	5.79	75	36195	20.291	ug/l	97
37) Ethyl Acetate	4.83	43	21737	19.713	ug/l	99
38) Carbon Tetrachloride	5.78	117	40752	19.472	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	39687	20.273	ug/l	95
40) Benzene	6.13	78	109854	20.348	ug/l	97
41) Methacrylonitrile	5.03	41	13002	19.127	ug/l	98
42) 1,2-Dichloroethane	6.18	62	41668	19.528	ug/l	100
43) Isopropyl Acetate	6.43	43	44727	19.239	ug/l	100
44) Trichloroethene	7.20	130	29997	20.531	ug/l	90
45) 1,2-Dichloropropane	7.51	63	30532	20.431	ug/l	96
46) Dibromomethane	7.65	93	16281	19.934	ug/l	97
47) Bromodichloromethane	7.89	83	41599	18.664	ug/l	99
48) Methyl methacrylate	7.76	41	21156	19.012	ug/l	98
49) 1,4-Dioxane	7.73	88	6162	410.375	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	115605	94.221	ug/l	100
52) Toluene	8.78	92	73274	20.548	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	39853	17.915	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	46004	18.649	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	25576	20.213	ug/l	95
56) Ethyl methacrylate	9.17	69	32111	18.743	ug/l	99
57) 1,3-Dichloropropane	9.37	76	42550	19.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	78058	88.897	ug/l	99
59) 2-Hexanone	9.49	43	85305	99.992	ug/l	100
60) Dibromochloromethane	9.57	129	27327	18.500	ug/l	98
61) 1,2-Dibromoethane	9.67	107	22773	19.335	ug/l	100
64) Tetrachloroethene	9.33	164	24979	21.220	ug/l	97
65) Chlorobenzene	10.14	112	83253	20.471	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	30561	19.934	ug/l	99
67) Ethyl Benzene	10.25	91	149370	20.650	ug/l	95
68) m/p-Xylenes	10.35	106	113693	42.699	ug/l	99
69) o-Xylene	10.70	106	55034	21.099	ug/l	97
70) Styrene	10.71	104	94295	20.384	ug/l	99
71) Bromoform	10.85	173	14514	18.257	ug/l #	98
73) Isopropylbenzene	11.01	105	151175	19.795	ug/l	99
74) N-amyl acetate	10.89	43	40076	17.649	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	30864	18.818	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	26409m	17.721	ug/l	
77) Bromobenzene	11.25	156	36096	20.529	ug/l	92
78) n-propylbenzene	11.35	91	181567	19.688	ug/l	99
79) 2-Chlorotoluene	11.42	91	110397	19.321	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	134949	19.649	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	8282	16.651	ug/l	94
82) 4-Chlorotoluene	11.51	91	134464	19.582	ug/l	99
83) tert-Butylbenzene	11.76	119	134720	20.202	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	137380	19.350	ug/l	97
85) sec-Butylbenzene	11.94	105	158151	19.876	ug/l	99
86) p-Isopropyltoluene	12.06	119	149493	20.333	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	71984	20.097	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	73290	20.236	ug/l	99
89) n-Butylbenzene	12.39	91	144261	20.019	ug/l	98
90) Hexachloroethane	12.59	117	23949	17.685	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	66651	20.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5458	16.303	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	45878	20.051	ug/l	98
94) Hexachlorobutadiene	13.78	225	24998	21.961	ug/l	96
95) Naphthalene	13.83	128	90849	18.502	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	41356	20.428	ug/l	99

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

