

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091219\
 Data File : VX012354.D
 Acq On : 12 Sep 2019 18:23
 Operator : SY/SP
 Sample : VX0912SBSD02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:11:58 AM

Quant Time: Sep 13 02:19:52 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	138338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	244185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	91135	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.48	113	70518	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
50) Toluene-d8	8.71	98	263631	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.14	95	112711	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22020	19.469	ug/l	93
3) Chloromethane	1.31	50	20770	20.373	ug/l	92
4) Vinyl Chloride	1.39	62	21110	20.883	ug/l	98
5) Bromomethane	1.62	94	9558	20.605	ug/l	92
6) Chloroethane	1.70	64	13732	20.315	ug/l	96
7) Trichlorofluoromethane	1.91	101	36671	20.044	ug/l	97
8) Diethyl Ether	2.17	74	13473	21.582	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25796	20.921	ug/l	98
10) Methyl Iodide	2.50	142	16872	14.377	ug/l	98
11) Tert butyl alcohol	3.03	59	19511m	87.959	ug/l	
12) 1,1-Dichloroethene	2.36	96	21962	20.980	ug/l	98
13) Acrolein	2.28	56	7523	73.582	ug/l	99
14) Allyl chloride	2.71	41	42050	19.703	ug/l	100
15) Acrylonitrile	3.12	53	41699	108.057	ug/l	99
16) Acetone	2.43	43	46206	99.796	ug/l	97
17) Carbon Disulfide	2.55	76	41452	18.857	ug/l	99
18) Methyl Acetate	2.76	43	20638	21.207	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	86364	20.892	ug/l	99
20) Methylene Chloride	2.84	84	34069	22.116	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	25806	20.663	ug/l	95
22) Diisopropyl ether	3.84	45	101128	20.719	ug/l	90
23) Vinyl Acetate	3.80	43	310646	103.736	ug/l	99
24) 1,1-Dichloroethane	3.69	63	54440	20.823	ug/l	100
25) 2-Butanone	4.66	43	61876	104.541	ug/l	93
26) 2,2-Dichloropropane	4.57	77	48177	19.628	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	32989	20.460	ug/l	98
28) Bromochloromethane	5.00	49	22527	18.372	ug/l	98
29) Tetrahydrofuran	5.11	42	34951	109.446	ug/l	99
30) Chloroform	5.19	83	60177	20.412	ug/l	93
31) Cyclohexane	5.56	56	36208	19.938	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	50135	19.805	ug/l	98
36) 1,1-Dichloropropene	5.79	75	35846	20.132	ug/l	96
37) Ethyl Acetate	4.82	43	25547	23.211	ug/l	98
38) Carbon Tetrachloride	5.77	117	39726	19.017	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38525	19.716	ug/l	95
40) Benzene	6.13	78	112228	20.826	ug/l	99
41) Methacrylonitrile	5.03	41	14861	21.902	ug/l	96
42) 1,2-Dichloroethane	6.18	62	44949	21.104	ug/l	99
43) Isopropyl Acetate	6.43	43	47905	20.644	ug/l	99
44) Trichloroethene	7.20	130	30688	21.043	ug/l	93
45) 1,2-Dichloropropane	7.50	63	31923	21.401	ug/l	98
46) Dibromomethane	7.65	93	17885	21.939	ug/l	98
47) Bromodichloromethane	7.89	83	44416	19.965	ug/l	97
48) Methyl methacrylate	7.76	41	22994	20.702	ug/l	100
49) 1,4-Dioxane	7.74	88	5858	390.847	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	129156	105.459	ug/l	99
52) Toluene	8.78	92	74646	20.971	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	43685	19.673	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	49057	19.923	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	27202	21.538	ug/l	97
56) Ethyl methacrylate	9.17	69	35204	20.586	ug/l	100
57) 1,3-Dichloropropane	9.37	76	46387	21.504	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	84244	96.118	ug/l	99
59) 2-Hexanone	9.49	43	91368	107.296	ug/l	100
60) Dibromochloromethane	9.57	129	29735	20.167	ug/l	99
61) 1,2-Dibromoethane	9.67	107	25473	21.667	ug/l	99
64) Tetrachloroethene	9.33	164	26279	21.828	ug/l	95
65) Chlorobenzene	10.14	112	87601	21.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	32438	20.688	ug/l	100
67) Ethyl Benzene	10.25	91	150883	20.396	ug/l	100
68) m/p-Xylenes	10.36	106	112640	41.363	ug/l	99
69) o-Xylene	10.70	106	54343	20.371	ug/l	99
70) Styrene	10.71	104	96239	20.341	ug/l	99
71) Bromoform	10.86	173	15848	19.491	ug/l #	98
73) Isopropylbenzene	11.01	105	148474	19.421	ug/l	99
74) N-amyl acetate	10.89	43	43872	19.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	34847	21.224	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	29825m	19.992	ug/l	
77) Bromobenzene	11.25	156	36131	20.527	ug/l	97
78) n-propylbenzene	11.35	91	181491	19.659	ug/l	100
79) 2-Chlorotoluene	11.42	91	110838	19.378	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	135374	19.691	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8875	17.825	ug/l	96
82) 4-Chlorotoluene	11.51	91	136129	19.804	ug/l	100
83) tert-Butylbenzene	11.76	119	132708	19.879	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	139999	19.698	ug/l	98
85) sec-Butylbenzene	11.94	105	155923	19.575	ug/l	99
86) p-Isopropyltoluene	12.06	119	145888	19.822	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	72526	20.227	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	74701	20.604	ug/l	99
89) n-Butylbenzene	12.39	91	140710	19.506	ug/l	99
90) Hexachloroethane	12.59	117	24541	18.103	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	67728	20.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6390	19.067	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	44599	19.471	ug/l	98
94) Hexachlorobutadiene	13.78	225	24005	21.067	ug/l	97
95) Naphthalene	13.83	128	95950	19.520	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	40213	19.842	ug/l	99

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

