

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012353.D
 Acq On : 12 Sep 2019 17:55
 Operator : SY/SP
 Sample : VX0912SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:11:54 AM

Quant Time: Sep 13 02:18:33 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	139773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	94106	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	5.48	113	75138	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	8.71	98	280528	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.14	95	118769	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21992	19.245	ug/l	99
3) Chloromethane	1.31	50	21715	21.081	ug/l	96
4) Vinyl Chloride	1.40	62	20586	20.156	ug/l	98
5) Bromomethane	1.62	94	9746	20.842	ug/l	94
6) Chloroethane	1.70	64	13801	20.208	ug/l	96
7) Trichlorofluoromethane	1.91	101	36894	19.959	ug/l	99
8) Diethyl Ether	2.17	74	13200	20.928	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25491	20.461	ug/l	98
10) Methyl Iodide	2.50	142	15404	12.991	ug/l	99
11) Tert butyl alcohol	3.03	59	30520	141.437	ug/l	95
12) 1,1-Dichloroethene	2.36	96	21647	20.467	ug/l	98
13) Acrolein	2.28	56	8972	86.853	ug/l	92
14) Allyl chloride	2.71	41	41107	19.063	ug/l	98
15) Acrylonitrile	3.13	53	40041	102.696	ug/l	99
16) Acetone	2.43	43	45413	97.077	ug/l	100
17) Carbon Disulfide	2.55	76	40368	18.176	ug/l	99
18) Methyl Acetate	2.76	43	21717	22.087	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	86282	20.657	ug/l	98
20) Methylene Chloride	2.84	84	33726	21.612	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	25791	20.439	ug/l	92
22) Diisopropyl ether	3.84	45	100998	20.480	ug/l	95
23) Vinyl Acetate	3.80	43	306891	101.430	ug/l	99
24) 1,1-Dichloroethane	3.68	63	53424	20.225	ug/l	99
25) 2-Butanone	4.66	43	60646	101.411	ug/l	100
26) 2,2-Dichloropropane	4.56	77	48157	19.418	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	32222	19.779	ug/l	97
28) Bromochloromethane	5.00	49	21286	17.182	ug/l	98
29) Tetrahydrofuran	5.11	42	34433	106.717	ug/l	97
30) Chloroform	5.19	83	59891	20.106	ug/l	99
31) Cyclohexane	5.56	56	34650	18.884	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	50223	19.636	ug/l	99
36) 1,1-Dichloropropene	5.79	75	36634	20.426	ug/l	97
37) Ethyl Acetate	4.82	43	23429	21.133	ug/l	98
38) Carbon Tetrachloride	5.77	117	39390	18.719	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	38440	19.530	ug/l	99
40) Benzene	6.13	78	110617	20.379	ug/l	97
41) Methacrylonitrile	5.03	41	14295	20.915	ug/l	96
42) 1,2-Dichloroethane	6.18	62	45597	21.254	ug/l	100
43) Isopropyl Acetate	6.43	43	47769	20.437	ug/l	99
44) Trichloroethene	7.20	130	29955	20.391	ug/l	97
45) 1,2-Dichloropropane	7.51	63	30351	20.200	ug/l	97
46) Dibromomethane	7.65	93	17727	21.587	ug/l	99
47) Bromodichloromethane	7.89	83	43902	19.591	ug/l	94
48) Methyl methacrylate	7.76	41	22865	20.437	ug/l	99
49) 1,4-Dioxane	7.73	88	6013	398.287	ug/l #	92
51) 4-Methyl-2-Pentanone	8.64	43	126252	102.342	ug/l	99
52) Toluene	8.78	92	73720	20.561	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	43100	19.270	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	49085	19.791	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	27432	21.563	ug/l	97
56) Ethyl methacrylate	9.17	69	34713	20.152	ug/l	98
57) 1,3-Dichloropropane	9.37	76	45936	21.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	87952	99.623	ug/l	99
59) 2-Hexanone	9.48	43	90585	105.607	ug/l	99
60) Dibromochloromethane	9.57	129	28627	19.275	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24794	20.937	ug/l	98
64) Tetrachloroethene	9.33	164	24532	20.231	ug/l	98
65) Chlorobenzene	10.14	112	84845	20.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	31297	19.818	ug/l	98
67) Ethyl Benzene	10.25	91	151006	20.266	ug/l	98
68) m/p-Xylenes	10.35	106	112412	40.984	ug/l	98
69) o-Xylene	10.70	106	53722	19.994	ug/l	100
70) Styrene	10.71	104	96182	20.184	ug/l	100
71) Bromoform	10.85	173	15459	18.877	ug/l #	99
73) Isopropylbenzene	11.01	105	147228	19.238	ug/l	99
74) N-amyl acetate	10.89	43	42858	18.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	34617	21.062	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	29214m	19.563	ug/l	
77) Bromobenzene	11.25	156	36571	20.756	ug/l	96
78) n-propylbenzene	11.35	91	180900	19.575	ug/l	99
79) 2-Chlorotoluene	11.42	91	112069	19.573	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	136639	19.854	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8302	16.657	ug/l	92
82) 4-Chlorotoluene	11.51	91	137653	20.005	ug/l	99
83) tert-Butylbenzene	11.77	119	132237	19.788	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	139494	19.607	ug/l	98
85) sec-Butylbenzene	11.94	105	156431	19.619	ug/l	99
86) p-Isopropyltoluene	12.06	119	145903	19.804	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	72812	20.286	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	75513	20.806	ug/l	99
89) n-Butylbenzene	12.39	91	138873	19.232	ug/l	99
90) Hexachloroethane	12.59	117	24572	18.107	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	68403	20.602	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6576	19.602	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	46449	20.258	µg/l	99
94) Hexachlorobutadiene	13.78	225	23903	20.956	µg/l	98
95) Naphthalene	13.83	128	96918	19.697	µg/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	41896	20.652	µg/l	98

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

