

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012172.D
 Acq On : 07 Sep 2019 13:15
 Operator : SY/SP
 Sample : VX0907SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:19:00 AM

Quant Time: Sep 08 08:00:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	139676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245492	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	101287	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
35) Dibromofluoromethane	5.48	113	81879	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
50) Toluene-d8	8.71	98	310403	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	
62) 4-Bromofluorobenzene	11.14	95	133618	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	27202	21.119	ug/l	94
3) Chloromethane	1.31	50	23675	17.947	ug/l	99
4) Vinyl Chloride	1.39	62	23599	19.015	ug/l	98
5) Bromomethane	1.62	94	10478	17.019	ug/l	92
6) Chloroethane	1.70	64	14476	18.763	ug/l	99
7) Trichlorofluoromethane	1.91	101	40687	21.107	ug/l	96
8) Diethyl Ether	2.17	74	12695	19.058	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28952	20.278	ug/l #	83
10) Methyl Iodide	2.50	142	19240	18.438	ug/l	92
11) Tert butyl alcohol	3.03	59	16346	88.303	ug/l	95
12) 1,1-Dichloroethene	2.36	96	25641	18.643	ug/l	92
13) Acrolein	2.28	56	5276	90.938	ug/l	89
14) Allyl chloride	2.72	41	46776	18.795	ug/l	95
15) Acrylonitrile	3.12	53	38333	91.577	ug/l	98
16) Acetone	2.43	43	43815	95.115	ug/l	100
17) Carbon Disulfide	2.55	76	56605	14.082	ug/l	99
18) Methyl Acetate	2.76	43	19714	18.167	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	85757	19.152	ug/l	99
20) Methylene Chloride	2.84	84	32373	17.501	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	29135	18.052	ug/l	86
22) Diisopropyl ether	3.84	45	101464	20.002	ug/l	94
23) Vinyl Acetate	3.80	43	306070	93.274	ug/l	98
24) 1,1-Dichloroethane	3.68	63	57244	19.458	ug/l	98
25) 2-Butanone	4.66	43	54904	93.632	ug/l	95
26) 2,2-Dichloropropane	4.56	77	57192	21.056	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	35166	18.588	ug/l	90
28) Bromochloromethane	5.00	49	24133	20.550	ug/l #	78
29) Tetrahydrofuran	5.12	42	32881	93.070	ug/l	99
30) Chloroform	5.20	83	63337	20.064	ug/l	94
31) Cyclohexane	5.56	56	44024	18.632	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	57394	20.875	ug/l	97
36) 1,1-Dichloropropene	5.78	75	42227	19.530	ug/l	95
37) Ethyl Acetate	4.81	43	22115	18.809	ug/l	98
38) Carbon Tetrachloride	5.77	117	47342	20.779	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	46740	18.626	ug/l	92
40) Benzene	6.13	78	120777	19.458	ug/l	99
41) Methacrylonitrile	5.03	41	14160	20.195	ug/l	96
42) 1,2-Dichloroethane	6.18	62	45641	20.433	ug/l	97
43) Isopropyl Acetate	6.44	43	46220	19.333	ug/l	99
44) Trichloroethene	7.20	130	32876	19.637	ug/l	84
45) 1,2-Dichloropropane	7.51	63	31575	19.689	ug/l	95
46) Dibromomethane	7.65	93	18195	19.435	ug/l #	72
47) Bromodichloromethane	7.89	83	47724	20.055	ug/l #	99
48) Methyl methacrylate	7.76	41	22737	18.915	ug/l	94
49) 1,4-Dioxane	7.73	88	5802	354.064	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	118337	97.315	ug/l	98
52) Toluene	8.78	92	79633	19.718	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	47372	19.228	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	53421	19.499	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	26957	20.141	ug/l	95
56) Ethyl methacrylate	9.17	69	34988	18.250	ug/l	91
57) 1,3-Dichloropropane	9.37	76	45679	19.778	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	84211	97.431	ug/l	93
59) 2-Hexanone	9.48	43	88239	99.447	ug/l	96
60) Dibromochloromethane	9.57	129	30674	19.230	ug/l	96
61) 1,2-Dibromoethane	9.67	107	25011	19.339	ug/l	97
64) Tetrachloroethene	9.33	164	27581	19.707	ug/l #	88
65) Chlorobenzene	10.14	112	88348	19.947	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	32625	20.145	ug/l	97
67) Ethyl Benzene	10.25	91	164524	20.378	ug/l	96
68) m/p-Xylenes	10.36	106	119552	40.190	ug/l	91
69) o-Xylene	10.70	106	57454	19.918	ug/l	88
70) Styrene	10.71	104	102814	20.521	ug/l	95
71) Bromoform	10.86	173	16411	18.449	ug/l #	98
73) Isopropylbenzene	11.01	105	164770	20.001	ug/l	95
74) N-amyl acetate	10.89	43	44436	18.243	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	31755	18.490	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	30283m	22.074	ug/l	
77) Bromobenzene	11.25	156	35632	19.339	ug/l	68
78) n-propylbenzene	11.35	91	200502	20.146	ug/l	94
79) 2-Chlorotoluene	11.42	91	119738	19.858	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	146084	20.235	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9535	16.432	ug/l	92
82) 4-Chlorotoluene	11.51	91	144984	20.174	ug/l	91
83) tert-Butylbenzene	11.76	119	141380	20.546	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	146217	19.706	ug/l	95
85) sec-Butylbenzene	11.94	105	172225	20.151	ug/l	94
86) p-Isopropyltoluene	12.06	119	156014	20.072	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	72375	19.603	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	72638	19.677	ug/l	93
89) n-Butylbenzene	12.39	91	149298	19.773	ug/l	96
90) Hexachloroethane	12.59	117	29085	18.741	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	67655	20.347	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6344	17.652	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	45315	19.147	ug/l	96
94) Hexachlorobutadiene	13.78	225	23527	19.721	ug/l	97
95) Naphthalene	13.83	128	90588	17.686	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	39468	18.956	ug/l	94

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

