

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012192.D
 Acq On : 08 Sep 2019 00:14
 Operator : SY/SP
 Sample : VX0907SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:19:14 AM

Quant Time: Sep 08 08:06:45 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	111647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	219074	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	203078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	100360	65.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.30%	
35) Dibromofluoromethane	5.48	113	78527	58.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.58%	
50) Toluene-d8	8.71	98	283625	57.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.74%	
62) 4-Bromofluorobenzene	11.13	95	127891	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18926	18.383	ug/l	96
3) Chloromethane	1.31	50	19106	18.120	ug/l	99
4) Vinyl Chloride	1.39	62	17296	17.435	ug/l	96
5) Bromomethane	1.62	94	9670	19.650	ug/l	93
6) Chloroethane	1.70	64	12655	20.520	ug/l	94
7) Trichlorofluoromethane	1.91	101	29325	19.032	ug/l	94
8) Diethyl Ether	2.17	74	12049	22.629	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21049	18.444	ug/l #	83
10) Methyl Iodide	2.49	142	11942	15.879	ug/l	91
11) Tert butyl alcohol	3.03	59	16447	111.154	ug/l	95
12) 1,1-Dichloroethene	2.36	96	18829	17.127	ug/l	88
13) Acrolein	2.28	56	5035	117.963	ug/l	94
14) Allyl chloride	2.71	41	38684	19.446	ug/l	98
15) Acrylonitrile	3.12	53	36866	110.183	ug/l	99
16) Acetone	2.43	43	33551	91.118	ug/l	98
17) Carbon Disulfide	2.55	76	42254	13.151	ug/l	99
18) Methyl Acetate	2.76	43	21704	25.021	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	80488	22.488	ug/l	96
20) Methylene Chloride	2.84	84	30220	20.438	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	23405	18.142	ug/l	94
22) Diisopropyl ether	3.84	45	90351	22.283	ug/l	97
23) Vinyl Acetate	3.80	43	272091	103.736	ug/l	96
24) 1,1-Dichloroethane	3.68	63	48918	20.802	ug/l	98
25) 2-Butanone	4.65	43	49748	106.138	ug/l	94
26) 2,2-Dichloropropane	4.57	77	37080	17.079	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	30732	20.322	ug/l	94
28) Bromochloromethane	5.00	49	23717	25.266	ug/l #	78
29) Tetrahydrofuran	5.11	42	31758	112.459	ug/l	98
30) Chloroform	5.19	83	55236	21.890	ug/l	95
31) Cyclohexane	5.56	56	30718	16.264	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	44031	20.035	ug/l	96
36) 1,1-Dichloropropene	5.78	75	32127	16.650	ug/l	97
37) Ethyl Acetate	4.82	43	22620	21.559	ug/l	99
38) Carbon Tetrachloride	5.77	117	36155	17.783	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	33518	14.967	ug/l	97
40) Benzene	6.12	78	102709	18.542	ug/l	97
41) Methacrylonitrile	5.02	41	13618	21.764	ug/l	96
42) 1,2-Dichloroethane	6.18	62	42488	21.315	ug/l	96
43) Isopropyl Acetate	6.43	43	43200	20.249	ug/l	99
44) Trichloroethene	7.20	130	27091	18.133	ug/l	80
45) 1,2-Dichloropropane	7.50	63	28524	19.931	ug/l	100
46) Dibromomethane	7.65	93	16664	19.946	ug/l #	75
47) Bromodichloromethane	7.89	83	43511	20.490	ug/l #	95
48) Methyl methacrylate	7.76	41	21973	20.484	ug/l	96
49) 1,4-Dioxane	7.73	88	6130	419.190	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	114220	105.257	ug/l	97
52) Toluene	8.78	92	67519	18.734	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	40607	18.470	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	44334	18.134	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	24329	20.369	ug/l	96
56) Ethyl methacrylate	9.17	69	33258	19.440	ug/l	93
57) 1,3-Dichloropropane	9.36	76	41533	20.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	80341	104.162	ug/l	93
59) 2-Hexanone	9.48	43	79752	100.721	ug/l	97
60) Dibromochloromethane	9.57	129	28233	19.834	ug/l	99
61) 1,2-Dibromoethane	9.67	107	23247	20.142	ug/l	96
64) Tetrachloroethene	9.33	164	25794	20.373	ug/l #	89
65) Chlorobenzene	10.14	112	76911	19.195	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	29651	20.238	ug/l	98
67) Ethyl Benzene	10.25	91	133880	18.330	ug/l	96
68) m/p-Xylenes	10.35	106	99335	36.914	ug/l	90
69) o-Xylene	10.70	106	49905	19.125	ug/l	91
70) Styrene	10.71	104	87680	19.345	ug/l	95
71) Bromoform	10.85	173	15355	19.081	ug/l #	94
73) Isopropylbenzene	11.01	105	134997	18.378	ug/l	94
74) N-amyl acetate	10.89	43	39804	18.327	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	28924	18.888	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	26311m	21.509	ug/l	
77) Bromobenzene	11.25	156	32200	19.600	ug/l	71
78) n-propylbenzene	11.35	91	154163	17.372	ug/l	94
79) 2-Chlorotoluene	11.42	91	99304	18.470	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	118242	18.368	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	7861	15.193	ug/l	88
82) 4-Chlorotoluene	11.51	91	119177	18.598	ug/l	92
83) tert-Butylbenzene	11.76	119	111952	18.246	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	122942	18.582	ug/l	93
85) sec-Butylbenzene	11.94	105	138145	18.127	ug/l	93
86) p-Isopropyltoluene	12.06	119	121471	17.527	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	61962	18.822	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	60701	18.441	ug/l	93
89) n-Butylbenzene	12.39	91	113340	16.835	ug/l	96
90) Hexachloroethane	12.59	117	23691	17.120	ug/l	59
91) 1,2-Dichlorobenzene	12.39	146	58521	19.738	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5809	18.127	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	35682	16.909	µg/l	96
94) Hexachlorobutadiene	13.78	225	18569	17.456	µg/l	98
95) Naphthalene	13.83	128	80409	17.606	µg/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	32107	17.294	µg/l	95

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

