

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012054.D
 Acq On : 04 Sep 2019 16:15
 Operator : SY/SP
 Sample : VX0904SBSD01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD01

Manual Integrations
 APPROVED

sam
 9/5/2019 2:55:49 PM

Quant Time: Sep 04 16:37:03 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	5.65	168	114465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	221976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	208356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	86836	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	5.48	113	68258	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	8.71	98	249802	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	111949	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	20663	19.576	ug/l	97
3) Chloromethane	1.31	50	22113	20.456	ug/l	96
4) Vinyl Chloride	1.40	62	19800	19.468	ug/l	99
5) Bromomethane	1.62	94	11144	22.088	ug/l	99
6) Chloroethane	1.70	64	12923	20.439	ug/l	100
7) Trichlorofluoromethane	1.91	101	30863	19.537	ug/l	100
8) Diethyl Ether	2.17	74	12460	22.825	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	23256	19.876	ug/l #	84
10) Methyl Iodide	2.50	142	11322	15.210	ug/l	91
11) Tert butyl alcohol	3.04	59	18498	121.937	ug/l	95
12) 1,1-Dichloroethene	2.36	96	21906	19.435	ug/l	87
13) Acrolein	2.28	56	6585	162.298	ug/l	98
14) Allyl chloride	2.71	41	43315	21.238	ug/l	98
15) Acrylonitrile	3.12	53	40241	117.309	ug/l	99
16) Acetone	2.43	43	38312	101.487	ug/l	98
17) Carbon Disulfide	2.55	76	56410	17.125	ug/l	99
18) Methyl Acetate	2.76	43	25868	29.088	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	84998	23.164	ug/l	98
20) Methylene Chloride	2.84	84	31301	20.648	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	25923	19.599	ug/l	91
22) Diisopropyl ether	3.84	45	92916	22.352	ug/l	97
23) Vinyl Acetate	3.80	43	285121	106.027	ug/l	100
24) 1,1-Dichloroethane	3.68	63	50913	21.117	ug/l	98
25) 2-Butanone	4.65	43	54718	113.868	ug/l	99
26) 2,2-Dichloropropane	4.56	77	42982	19.310	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	33180	21.401	ug/l	92
28) Bromochloromethane	5.00	49	24533	25.492	ug/l #	78
29) Tetrahydrofuran	5.12	42	34036	117.558	ug/l	99
30) Chloroform	5.20	83	57424	22.197	ug/l	99
31) Cyclohexane	5.57	56	36145	18.667	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	46353	20.573	ug/l	97
36) 1,1-Dichloropropene	5.79	75	35871	18.348	ug/l	95
37) Ethyl Acetate	4.83	43	22826	21.471	ug/l	98
38) Carbon Tetrachloride	5.77	117	39404	19.127	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	39522	17.418	ug/l	94
40) Benzene	6.13	78	111811	19.922	ug/l	96
41) Methacrylonitrile	5.03	41	13763	21.708	ug/l	99
42) 1,2-Dichloroethane	6.18	62	43821	21.696	ug/l	98
43) Isopropyl Acetate	6.43	43	47193	21.831	ug/l	99
44) Trichloroethene	7.20	130	29383	19.410	ug/l	92
45) 1,2-Dichloropropane	7.50	63	30379	20.950	ug/l	97
46) Dibromomethane	7.65	93	18214	21.517	ug/l #	73
47) Bromodichloromethane	7.89	83	44946	20.889	ug/l	95
48) Methyl methacrylate	7.76	41	23737	21.839	ug/l	98
49) 1,4-Dioxane	7.73	88	6697	451.976	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	121807	110.781	ug/l	99
52) Toluene	8.78	92	73144	20.029	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	45180	20.282	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	50262	20.290	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	26173	21.627	ug/l	93
56) Ethyl methacrylate	9.17	69	37369	21.557	ug/l	98
57) 1,3-Dichloropropane	9.37	76	45207	21.647	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	87455	111.903	ug/l	96
59) 2-Hexanone	9.49	43	86962	108.391	ug/l	99
60) Dibromochloromethane	9.57	129	31202	21.633	ug/l	98
61) 1,2-Dibromoethane	9.67	107	25366	21.691	ug/l	96
64) Tetrachloroethene	9.33	164	26883	20.696	ug/l #	86
65) Chlorobenzene	10.14	112	82229	20.002	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	30754	20.459	ug/l	97
67) Ethyl Benzene	10.25	91	145085	19.361	ug/l	96
68) m/p-Xylenes	10.36	106	106190	38.462	ug/l	89
69) o-Xylene	10.70	106	52828	19.732	ug/l	87
70) Styrene	10.71	104	96636	20.781	ug/l	95
71) Bromoform	10.85	173	17384	21.056	ug/l #	95
73) Isopropylbenzene	11.01	105	142966	19.099	ug/l	97
74) N-amyl acetate	10.89	43	42869	19.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	32932	21.103	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	29820m	23.922	ug/l	
77) Bromobenzene	11.25	156	35435	21.166	ug/l	69
78) n-propylbenzene	11.35	91	172915	19.120	ug/l	95
79) 2-Chlorotoluene	11.42	91	107863	19.687	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	130076	19.829	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9582	18.173	ug/l	90
82) 4-Chlorotoluene	11.51	91	131105	20.077	ug/l	91
83) tert-Butylbenzene	11.76	119	119766	19.155	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	131736	19.539	ug/l	93
85) sec-Butylbenzene	11.94	105	145041	18.676	ug/l	94
86) p-Isopropyltoluene	12.06	119	132616	18.777	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	67946	20.254	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	68181	20.326	ug/l	92
89) n-Butylbenzene	12.39	91	128019	18.660	ug/l	96
90) Hexachloroethane	12.59	117	26553	18.829	ug/l	54
91) 1,2-Dichlorobenzene	12.39	146	64117	21.222	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7083	21.690	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	42933	19.964	ug/l	95
94) Hexachlorobutadiene	13.78	225	20721	19.115	ug/l	99
95) Naphthalene	13.83	128	98737	21.214	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	40061	21.175	ug/l	95

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

