

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012043.D
 Acq On : 04 Sep 2019 11:08
 Operator : SY/SP
 Sample : VX0904SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBS01

Manual Integrations
 APPROVED

sam
 9/5/2019 2:55:43 PM

Quant Time: Sep 04 13:25:42 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	138281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	254783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112704	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	91298	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	5.48	113	73237	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	8.71	98	277093	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.13	95	119017	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	25228	19.784	ug/l	99
3) Chloromethane	1.31	50	24793	18.985	ug/l	100
4) Vinyl Chloride	1.40	62	23371	19.021	ug/l	95
5) Bromomethane	1.62	94	11007	18.059	ug/l	100
6) Chloroethane	1.70	64	14911	19.522	ug/l	96
7) Trichlorofluoromethane	1.91	101	38137	19.984	ug/l	98
8) Diethyl Ether	2.17	74	13290	20.152	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27739	19.625	ug/l #	83
10) Methyl Iodide	2.50	142	18124	17.883	ug/l	92
11) Tert butyl alcohol	3.03	59	18399	100.396	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	26109	19.175	ug/l	94
13) Acrolein	2.28	56	6648	128.755	ug/l	96
14) Allyl chloride	2.71	41	48478	19.676	ug/l	98
15) Acrylonitrile	3.12	53	41382	99.858	ug/l	98
16) Acetone	2.43	43	48455	106.248	ug/l	97
17) Carbon Disulfide	2.55	76	66846	16.798	ug/l	97
18) Methyl Acetate	2.76	43	21507	20.019	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	90304	20.371	ug/l	100
20) Methylene Chloride	2.84	84	35282	19.266	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	30640	19.176	ug/l	95
22) Diisopropyl ether	3.84	45	101993	20.309	ug/l	95
23) Vinyl Acetate	3.80	43	326950	100.642	ug/l	97
24) 1,1-Dichloroethane	3.68	63	56731	19.478	ug/l	98
25) 2-Butanone	4.65	43	59982	103.324	ug/l	97
26) 2,2-Dichloropropane	4.57	77	55601	20.677	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	36688	19.588	ug/l	94
28) Bromochloromethane	5.00	49	24464	21.042	ug/l	81
29) Tetrahydrofuran	5.11	42	34124	97.563	ug/l	98
30) Chloroform	5.19	83	62652	20.047	ug/l	97
31) Cyclohexane	5.56	56	45609	19.498	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	55505	20.392	ug/l	96
36) 1,1-Dichloropropene	5.78	75	41791	18.623	ug/l	96
37) Ethyl Acetate	4.82	43	23935	19.615	ug/l	94
38) Carbon Tetrachloride	5.77	117	46411	19.628	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	49490	19.002	ug/l	95
40) Benzene	6.13	78	124604	19.342	ug/l	97
41) Methacrylonitrile	5.03	41	15025	20.647	ug/l	98
42) 1,2-Dichloroethane	6.18	62	46953	20.253	ug/l	96
43) Isopropyl Acetate	6.43	43	49414	19.915	ug/l	100
44) Trichloroethene	7.20	130	33216	19.116	ug/l	86
45) 1,2-Dichloropropane	7.50	63	33406	20.071	ug/l	97
46) Dibromomethane	7.65	93	18788	19.337	ug/l #	74
47) Bromodichloromethane	7.89	83	49105	19.883	ug/l	98
48) Methyl methacrylate	7.76	41	23946	19.194	ug/l	99
49) 1,4-Dioxane	7.73	88	6540	384.546	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	127372	100.926	ug/l	99
52) Toluene	8.78	92	81259	19.386	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	49294	19.279	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	56485	19.866	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	27859	20.056	ug/l	95
56) Ethyl methacrylate	9.17	69	39160	19.681	ug/l	97
57) 1,3-Dichloropropane	9.37	76	48134	20.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	95158	106.081	ug/l	94
59) 2-Hexanone	9.48	43	93751	101.806	ug/l	98
60) Dibromochloromethane	9.57	129	32327	19.527	ug/l	97
61) 1,2-Dibromoethane	9.67	107	26462	19.714	ug/l	100
64) Tetrachloroethene	9.33	164	28168	19.609	ug/l #	87
65) Chlorobenzene	10.14	112	88624	19.494	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	33534	20.173	ug/l	98
67) Ethyl Benzene	10.25	91	164857	19.893	ug/l	97
68) m/p-Xylenes	10.36	106	121279	39.721	ug/l	92
69) o-Xylene	10.70	106	59180	19.989	ug/l	92
70) Styrene	10.71	104	102762	19.983	ug/l	95
71) Bromoform	10.85	173	17477	19.142	ug/l #	100
73) Isopropylbenzene	11.01	105	165515	20.016	ug/l	96
74) N-amyl acetate	10.89	43	46625	19.070	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	34197	19.837	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	26300m	19.099	ug/l	
77) Bromobenzene	11.25	156	36392	19.677	ug/l	69
78) n-propylbenzene	11.35	91	192547	19.274	ug/l	95
79) 2-Chlorotoluene	11.42	91	117823	19.467	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	142523	19.667	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.07	75	11083	19.027	ug/l	94
82) 4-Chlorotoluene	11.51	91	140324	19.452	ug/l	92
83) tert-Butylbenzene	11.76	119	135820	19.664	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	144313	19.376	ug/l	95
85) sec-Butylbenzene	11.94	105	169238	19.727	ug/l	94
86) p-Isopropyltoluene	12.06	119	150583	19.300	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	71871	19.394	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	72113	19.461	ug/l	93
89) n-Butylbenzene	12.39	91	145946	19.257	ug/l	97
90) Hexachloroethane	12.59	117	28737	18.447	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	67101	20.104	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6696	18.561	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	44251	18.627	ug/l	95
94) Hexachlorobutadiene	13.78	225	22066	18.427	ug/l	99
95) Naphthalene	13.83	128	92524	17.996	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	37403	17.896	ug/l	94

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

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