

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091219\
 Data File : VX012344.D
 Acq On : 12 Sep 2019 12:41
 Operator : SY/SP
 Sample : VX0912SBSD01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:12:03 AM

Quant Time: Sep 12 14:00:00 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	5.64	168	141055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	246839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115720	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	93887	47.08	ug/l	0.00
Spiked Amount						
			Recovery	=	94.16%	
35) Dibromofluoromethane	5.48	113	72088	45.56	ug/l	0.00
Spiked Amount						
			Recovery	=	91.12%	
50) Toluene-d8	8.71	98	281396	50.70	ug/l	0.00
Spiked Amount						
			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.14	95	117809	45.79	ug/l	0.00
Spiked Amount						
			Recovery	=	91.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	23529	20.403	ug/l	96
3) Chloromethane	1.31	50	21988	21.152	ug/l	98
4) Vinyl Chloride	1.39	62	21654	21.009	ug/l	97
5) Bromomethane	1.62	94	10083	21.495	ug/l	100
6) Chloroethane	1.70	64	14102	20.461	ug/l	99
7) Trichlorofluoromethane	1.91	101	38347	20.557	ug/l	100
8) Diethyl Ether	2.17	74	13029	20.469	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	25844	20.556	ug/l	97
10) Methyl Iodide	2.50	142	16184	13.525	ug/l	97
11) Tert butyl alcohol	3.03	59	16173m	69.712	ug/l	
12) 1,1-Dichloroethene	2.36	96	22459	21.042	ug/l	93
13) Acrolein	2.28	56	9311	89.316	ug/l	96
14) Allyl chloride	2.71	41	41643	19.137	ug/l	99
15) Acrylonitrile	3.13	53	41208	104.728	ug/l	97
16) Acetone	2.43	43	42980	91.041	ug/l	96
17) Carbon Disulfide	2.55	76	41133	18.352	ug/l	97
18) Methyl Acetate	2.76	43	20284	20.442	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	85152	20.202	ug/l	98
20) Methylene Chloride	2.84	84	31412	19.732	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	25647	20.140	ug/l	96
22) Diisopropyl ether	3.84	45	98024	19.697	ug/l	99
23) Vinyl Acetate	3.80	43	303197	99.298	ug/l	100
24) 1,1-Dichloroethane	3.68	63	53136	19.933	ug/l	98
25) 2-Butanone	4.66	43	60304	99.923	ug/l	100
26) 2,2-Dichloropropane	4.57	77	46815	18.706	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	32883	20.001	ug/l	100
28) Bromochloromethane	5.00	49	22972	18.374	ug/l	98
29) Tetrahydrofuran	5.12	42	35562	109.214	ug/l	98
30) Chloroform	5.19	83	58966	19.616	ug/l	99
31) Cyclohexane	5.56	56	36971	19.966	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	50552	19.585	ug/l	98
36) 1,1-Dichloropropene	5.78	75	36644	20.359	ug/l	96
37) Ethyl Acetate	4.82	43	23136	20.794	ug/l #	96
38) Carbon Tetrachloride	5.77	117	40931	19.383	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38983	19.736	ug/l	99
40) Benzene	6.13	78	111646	20.495	ug/l	98
41) Methacrylonitrile	5.03	41	14968	21.822	ug/l	96
42) 1,2-Dichloroethane	6.18	62	43962	20.419	ug/l	99
43) Isopropyl Acetate	6.43	43	48752	20.783	ug/l	99
44) Trichloroethene	7.20	130	30377	20.605	ug/l	95
45) 1,2-Dichloropropane	7.50	63	31125	20.642	ug/l	96
46) Dibromomethane	7.65	93	17097	20.746	ug/l	97
47) Bromodichloromethane	7.89	83	43155	19.189	ug/l	90
48) Methyl methacrylate	7.76	41	23048	20.527	ug/l	99
49) 1,4-Dioxane	7.73	88	6671	440.305	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	128785	104.025	ug/l	99
52) Toluene	8.78	92	72206	20.068	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	43266	19.275	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	47738	19.179	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	26575	20.815	ug/l	98
56) Ethyl methacrylate	9.17	69	35163	20.341	ug/l	97
57) 1,3-Dichloropropane	9.37	76	45778	20.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	90173	101.777	ug/l	99
59) 2-Hexanone	9.49	43	89502	103.975	ug/l	99
60) Dibromochloromethane	9.58	129	28851	19.357	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24115	20.291	ug/l	100
64) Tetrachloroethene	9.33	164	25145	20.976	ug/l	96
65) Chlorobenzene	10.14	112	84756	20.464	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	31162	19.960	ug/l	97
67) Ethyl Benzene	10.25	91	148112	20.107	ug/l	99
68) m/p-Xylenes	10.35	106	111414	41.088	ug/l	99
69) o-Xylene	10.70	106	53883	20.285	ug/l	99
70) Styrene	10.71	104	96347	20.452	ug/l	99
71) Bromoform	10.85	173	15995	19.757	ug/l #	98
73) Isopropylbenzene	11.01	105	151040	19.826	ug/l	98
74) N-amyl acetate	10.89	43	43273	19.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	33351	20.384	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	29654m	19.948	ug/l	
77) Bromobenzene	11.25	156	36091	20.577	ug/l	97
78) n-propylbenzene	11.35	91	179610	19.523	ug/l	100
79) 2-Chlorotoluene	11.42	91	110583	19.402	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	134039	19.565	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8126	16.378	ug/l	92
82) 4-Chlorotoluene	11.51	91	134204	19.592	ug/l	100
83) tert-Butylbenzene	11.77	119	130613	19.634	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	137512	19.416	ug/l	98
85) sec-Butylbenzene	11.94	105	153621	19.354	ug/l	99
86) p-Isopropyltoluene	12.06	119	141680	19.318	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	73055	20.447	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	72616	20.099	ug/l	99
89) n-Butylbenzene	12.39	91	139562	19.415	ug/l	98
90) Hexachloroethane	12.59	117	24020	17.781	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	66424	20.097	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5992	17.942	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	45079	19.750	ug/l	98
94) Hexachlorobutadiene	13.78	225	23264	20.488	ug/l	99
95) Naphthalene	13.83	128	97290	19.862	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	40621	20.114	ug/l	99

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

