

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012384.D
 Acq On : 13 Sep 2019 14:01
 Operator : SY/SP
 Sample : VX0913SBS03
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:08 AM

Quant Time: Sep 14 00:22:53 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	5.65	168	135672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231544	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	91157	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	5.48	113	72500	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	8.71	98	273485	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	11.14	95	114884	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	20561	18.536	ug/l	97
3) Chloromethane	1.31	50	19336	19.339	ug/l	100
4) Vinyl Chloride	1.39	62	19209	19.376	ug/l	98
5) Bromomethane	1.62	94	9024	19.646	ug/l	96
6) Chloroethane	1.70	64	12937	19.515	ug/l	98
7) Trichlorofluoromethane	1.91	101	35041	19.530	ug/l	95
8) Diethyl Ether	2.17	74	11724	19.149	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24058	19.895	ug/l	98
10) Methyl Iodide	2.50	142	12437	10.806	ug/l	99
11) Tert butyl alcohol	3.03	59	16828m	76.198	ug/l	
12) 1,1-Dichloroethene	2.36	96	20036	19.516	ug/l	94
13) Acrolein	2.28	56	9055	90.306	ug/l	96
14) Allyl chloride	2.71	41	37735	18.029	ug/l	100
15) Acrylonitrile	3.13	53	37538	99.186	ug/l	99
16) Acetone	2.43	43	42985	94.664	ug/l	100
17) Carbon Disulfide	2.55	76	36409	16.889	ug/l	99
18) Methyl Acetate	2.76	43	19363	20.288	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	73788	18.200	ug/l	99
20) Methylene Chloride	2.84	84	28549	18.492	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	23426	19.126	ug/l	97
22) Diisopropyl ether	3.84	45	86601	18.092	ug/l	90
23) Vinyl Acetate	3.80	43	272357	92.737	ug/l	99
24) 1,1-Dichloroethane	3.68	63	48576	18.945	ug/l	97
25) 2-Butanone	4.65	43	56872	97.975	ug/l	94
26) 2,2-Dichloropropane	4.57	77	44072	18.308	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	29472	18.638	ug/l	99
28) Bromochloromethane	5.00	49	22187	18.450	ug/l	97
29) Tetrahydrofuran	5.12	42	32067	102.388	ug/l	100
30) Chloroform	5.19	83	53230	18.410	ug/l	99
31) Cyclohexane	5.56	56	33136	18.605	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	44769	18.033	ug/l	99
36) 1,1-Dichloropropene	5.79	75	32700	19.368	ug/l	96
37) Ethyl Acetate	4.82	43	21935	21.017	ug/l #	90
38) Carbon Tetrachloride	5.77	117	36253	18.302	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	36122	19.496	ug/l	98
40) Benzene	6.13	78	99562	19.484	ug/l	97
41) Methacrylonitrile	5.02	41	12977	20.169	ug/l	96
42) 1,2-Dichloroethane	6.18	62	39215	19.417	ug/l	100
43) Isopropyl Acetate	6.43	43	43011	19.547	ug/l	100
44) Trichloroethene	7.20	130	27820	20.117	ug/l	95
45) 1,2-Dichloropropane	7.51	63	26961	19.062	ug/l	92
46) Dibromomethane	7.65	93	15219	19.687	ug/l	97
47) Bromodichloromethane	7.89	83	38055	18.039	ug/l #	98
48) Methyl methacrylate	7.76	41	20430	19.398	ug/l	98
49) 1,4-Dioxane	7.73	88	5752	404.726	ug/l #	93
51) 4-Methyl-2-Pentanone	8.64	43	117965	101.579	ug/l	99
52) Toluene	8.78	92	64402	19.081	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	37753	17.930	ug/l	93
54) cis-1,3-Dichloropropene	8.43	75	42105	18.034	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	23004	19.208	ug/l	96
56) Ethyl methacrylate	9.17	69	31633	19.508	ug/l	95
57) 1,3-Dichloropropane	9.37	76	40251	19.678	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	85106	102.403	ug/l	99
59) 2-Hexanone	9.48	43	84630	104.809	ug/l	100
60) Dibromochloromethane	9.57	129	24409	17.458	ug/l	96
61) 1,2-Dibromoethane	9.67	107	21970	19.708	ug/l	96
64) Tetrachloroethene	9.33	164	23806	20.852	ug/l	98
65) Chlorobenzene	10.14	112	75950	19.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	27725	18.646	ug/l	99
67) Ethyl Benzene	10.25	91	134720	19.203	ug/l	97
68) m/p-Xylenes	10.35	106	100780	39.025	ug/l	98
69) o-Xylene	10.70	106	47244	18.675	ug/l	99
70) Styrene	10.71	104	84979	18.940	ug/l	99
71) Bromoform	10.85	173	14220	18.442	ug/l #	98
73) Isopropylbenzene	11.01	105	134483	18.322	ug/l	99
74) N-amyl acetate	10.89	43	37846	17.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	30057	19.068	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	26186m	18.283	ug/l	
77) Bromobenzene	11.25	156	32048	18.965	ug/l	95
78) n-propylbenzene	11.35	91	160851	18.147	ug/l	99
79) 2-Chlorotoluene	11.42	91	100059	18.221	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	120409	18.242	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	7525	15.742	ug/l	91
82) 4-Chlorotoluene	11.51	91	119590	18.121	ug/l	100
83) tert-Butylbenzene	11.76	119	118246	18.449	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	123487	18.097	ug/l	98
85) sec-Butylbenzene	11.94	105	140075	18.317	ug/l	99
86) p-Isopropyltoluene	12.06	119	128161	18.138	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	64709	18.798	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	64048	18.400	ug/l	99
89) n-Butylbenzene	12.39	91	124111	17.920	ug/l	99
90) Hexachloroethane	12.59	117	21662	16.644	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	59446	18.668	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5644	17.541	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	40886	18.592	µg/l	99
94) Hexachlorobutadiene	13.78	225	21504	19.656	µg/l	100
95) Naphthalene	13.83	128	86870	18.407	µg/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	38357	19.713	µg/l	99

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

