

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012209.D
 Acq On : 08 Sep 2019 08:37
 Operator : SY/SP
 Sample : VX0907SBS03
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:23:54 AM

Quant Time: Sep 09 01:31:41 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	140355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	237380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104533	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	81796	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
35) Dibromofluoromethane	5.48	113	66768	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
50) Toluene-d8	8.71	98	255466	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.13	95	105885	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	29195	22.557	ug/l	96
3) Chloromethane	1.31	50	23390	17.646	ug/l	96
4) Vinyl Chloride	1.39	62	24611	19.735	ug/l	97
5) Bromomethane	1.62	94	11001	17.782	ug/l	100
6) Chloroethane	1.70	64	15097	19.473	ug/l	96
7) Trichlorofluoromethane	1.91	101	42843	22.118	ug/l	99
8) Diethyl Ether	2.17	74	12059	18.015	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	31203	21.749	ug/l #	83
10) Methyl Iodide	2.50	142	9045	12.345	ug/l	95
11) Tert butyl alcohol	3.03	59	14855	79.860	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	25646	18.556	ug/l	89
13) Acrolein	2.28	56	4570	71.258	ug/l	95
14) Allyl chloride	2.71	41	46146	18.453	ug/l	97
15) Acrylonitrile	3.12	53	36220	86.110	ug/l	98
16) Acetone	2.43	43	41678	90.038	ug/l	99
17) Carbon Disulfide	2.55	76	54011	13.372	ug/l	99
18) Methyl Acetate	2.76	43	17596	16.136	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	79545	17.679	ug/l	97
20) Methylene Chloride	2.84	84	30649	16.488	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	28440	17.536	ug/l	91
22) Diisopropyl ether	3.84	45	96005	18.835	ug/l	94
23) Vinyl Acetate	3.80	43	294680	89.368	ug/l	96
24) 1,1-Dichloroethane	3.68	63	55246	18.688	ug/l	97
25) 2-Butanone	4.65	43	52079	88.385	ug/l	99
26) 2,2-Dichloropropane	4.56	77	56843	20.826	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	34371	18.079	ug/l	89
28) Bromochloromethane	5.00	49	23245	19.698	ug/l #	78
29) Tetrahydrofuran	5.11	42	30156	84.944	ug/l	96
30) Chloroform	5.20	83	60550	19.088	ug/l	99
31) Cyclohexane	5.56	56	45130	19.008	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	57169	20.693	ug/l	95
36) 1,1-Dichloropropene	5.78	75	42715	20.431	ug/l	95
37) Ethyl Acetate	4.82	43	20550	18.075	ug/l	96
38) Carbon Tetrachloride	5.78	117	48182	21.871	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	49512	20.404	ug/l	95
40) Benzene	6.13	78	119364	19.887	ug/l	98
41) Methacrylonitrile	5.02	41	12708	18.743	ug/l	96
42) 1,2-Dichloroethane	6.18	62	43167	19.985	ug/l	97
43) Isopropyl Acetate	6.43	43	42426	18.353	ug/l	99
44) Trichloroethene	7.20	130	32543	20.102	ug/l	84
45) 1,2-Dichloropropane	7.50	63	31040	20.017	ug/l	97
46) Dibromomethane	7.65	93	16852	18.616	ug/l #	75
47) Bromodichloromethane	7.89	83	45110	19.604	ug/l #	99
48) Methyl methacrylate	7.76	41	20437	17.582	ug/l	96
49) 1,4-Dioxane	7.73	88	5323	335.934	ug/l	89
51) 4-Methyl-2-Pentanone	8.64	43	109981	93.535	ug/l	97
52) Toluene	8.78	92	77091	19.740	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	43294	18.174	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	48824	18.430	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	24768	19.138	ug/l	97
56) Ethyl methacrylate	9.17	69	32335	17.443	ug/l	94
57) 1,3-Dichloropropane	9.37	76	42256	18.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	74448	89.079	ug/l	92
59) 2-Hexanone	9.48	43	80228	93.508	ug/l	96
60) Dibromochloromethane	9.57	129	29263	18.972	ug/l	99
61) 1,2-Dibromoethane	9.67	107	22521	18.008	ug/l	100
64) Tetrachloroethene	9.33	164	29238	22.229	ug/l #	87
65) Chlorobenzene	10.14	112	85094	20.442	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	31384	20.619	ug/l	97
67) Ethyl Benzene	10.25	91	160689	21.177	ug/l	97
68) m/p-Xylenes	10.36	106	117556	42.049	ug/l	91
69) o-Xylene	10.70	106	55518	20.479	ug/l	88
70) Styrene	10.71	104	95826	20.351	ug/l	95
71) Bromoform	10.85	173	14707	17.592	ug/l #	100
73) Isopropylbenzene	11.01	105	163819	21.359	ug/l	96
74) N-amyl acetate	10.89	43	40424	17.826	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	29125	18.215	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	25950m	20.317	ug/l	
77) Bromobenzene	11.25	156	34650	20.200	ug/l	71
78) n-propylbenzene	11.35	91	198346	21.406	ug/l	94
79) 2-Chlorotoluene	11.42	91	116185	20.697	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	142221	21.160	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	8527	15.783	ug/l	89
82) 4-Chlorotoluene	11.51	91	141361	21.128	ug/l	91
83) tert-Butylbenzene	11.76	119	136639	21.329	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	140077	20.277	ug/l	94
85) sec-Butylbenzene	11.94	105	168916	21.229	ug/l	95
86) p-Isopropyltoluene	12.06	119	154155	21.303	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	68175	19.834	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	70359	20.472	ug/l	94
89) n-Butylbenzene	12.39	91	148775	21.164	ug/l	96
90) Hexachloroethane	12.59	117	27049	18.721	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	62727	20.263	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5392	16.115	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	40902	18.563	µg/l	97
94) Hexachlorobutadiene	13.78	225	23214	20.901	µg/l	97
95) Naphthalene	13.83	128	78562	16.474	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	34903	18.006	µg/l	95

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

