

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009767.D
 Acq On : 21 May 2019 22:48
 Operator : JC/SP
 Sample : K2910-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0229MSD

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 10:40:01 AM

Quant Time: May 22 08:30:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	93516	42.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.08%	
35) Dibromofluoromethane	5.50	113	69148	41.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.66%	
50) Toluene-d8	8.71	98	268481	40.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.46%	
62) 4-Bromofluorobenzene	11.13	95	102938	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68489	45.611	ug/l	99
3) Chloromethane	1.32	50	105467	51.446	ug/l	100
4) Vinyl Chloride	1.41	62	106827	53.438	ug/l	96
5) Bromomethane	1.64	94	58933	49.116	ug/l	98
6) Chloroethane	1.71	64	69020	53.776	ug/l	99
7) Trichlorofluoromethane	1.92	101	122733	50.508	ug/l	95
8) Diethyl Ether	2.19	74	56543	49.124	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72747	47.673	ug/l	99
10) Methyl Iodide	2.51	142	79084	45.101	ug/l	98
11) Tert butyl alcohol	3.05	59	129720	251.931	ug/l	100
12) 1,1-Dichloroethene	2.37	96	75941	49.670	ug/l	98
13) Acrolein	2.29	56	98820	211.918	ug/l	100
14) Allyl chloride	2.73	41	182137	48.883	ug/l	100
15) Acrylonitrile	3.14	53	318161	252.715	ug/l	99
16) Acetone	2.45	43	279077	233.648	ug/l	98
17) Carbon Disulfide	2.57	76	232199	54.093	ug/l	100
18) Methyl Acetate	2.78	43	116204	40.908	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	294330	49.574	ug/l	99
20) Methylene Chloride	2.85	84	92882	48.027	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	83504	50.361	ug/l	99
22) Diisopropyl ether	3.85	45	357863	49.942	ug/l	99
23) Vinyl Acetate	3.82	43	1385341	225.776	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172160	48.704	ug/l	99
25) 2-Butanone	4.67	43	473818	255.274	ug/l	99
26) 2,2-Dichloropropane	4.58	77	99758	37.915	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	98624	49.831	ug/l	97
28) Bromochloromethane	5.01	49	83029	58.835	ug/l	98
29) Tetrahydrofuran	5.13	42	315647	264.272	ug/l	98
30) Chloroform	5.21	83	157839	49.370	ug/l	97
31) Cyclohexane	5.58	56	168869	51.348	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	131956	49.582	ug/l	98
36) 1,1-Dichloropropene	5.80	75	122703	50.209	ug/l	99
37) Ethyl Acetate	4.84	43	153031	44.943	ug/l	99
38) Carbon Tetrachloride	5.79	117	111732	50.321	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	149319	49.752	ug/l	99
40) Benzene	6.14	78	376325	49.757	ug/l	100
41) Methacrylonitrile	5.04	41	102119	50.382	ug/l	98
42) 1,2-Dichloroethane	6.19	62	137341	50.622	ug/l	99
43) Isopropyl Acetate	6.45	43	259621	47.668	ug/l	99
44) Trichloroethene	7.21	130	87234	47.710	ug/l	98
45) 1,2-Dichloropropane	7.51	63	106749	49.846	ug/l	98
46) Dibromomethane	7.66	93	61734	49.640	ug/l	99
47) Bromodichloromethane	7.90	83	124287	50.101	ug/l	98
48) Methyl methacrylate	7.77	41	143386	53.064	ug/l	98
49) 1,4-Dioxane	7.74	88	48345	882.234	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	951273	267.219	ug/l	99
52) Toluene	8.78	92	228966	49.803	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	140712	50.240	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153337	49.463	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	92227	49.171	ug/l	97
56) Ethyl methacrylate	9.18	69	172057	51.389	ug/l	96
57) 1,3-Dichloropropane	9.37	76	163515	49.540	ug/l	100
59) 2-Hexanone	9.49	43	736682	263.486	ug/l	98
60) Dibromochloromethane	9.58	129	93019	50.777	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95241	50.303	ug/l	100
64) Tetrachloroethene	9.34	164	73723	44.659	ug/l	98
65) Chlorobenzene	10.13	112	237860	49.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86300	49.445	ug/l	100
67) Ethyl Benzene	10.25	91	444233	50.139	ug/l	100
68) m/p-Xylenes	10.36	106	322944	99.743	ug/l	97
69) o-Xylene	10.69	106	159445	49.912	ug/l	99
70) Styrene	10.71	104	279198	50.285	ug/l	99
71) Bromoform	10.85	173	72606	51.190	ug/l #	100
73) Isopropylbenzene	11.02	105	419434	48.887	ug/l	99
74) N-amyl acetate	10.90	43	222010	44.384	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	158061	49.420	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	138403m	50.571	ug/l	
77) Bromobenzene	11.26	156	105702	49.637	ug/l	99
78) n-propylbenzene	11.36	91	484136	49.410	ug/l	99
79) 2-Chlorotoluene	11.42	91	291698	48.254	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	356869	49.400	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49251	46.045	ug/l	96
82) 4-Chlorotoluene	11.51	91	334722	49.013	ug/l	99
83) tert-Butylbenzene	11.77	119	347611	49.464	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	360178	49.672	ug/l	99
85) sec-Butylbenzene	11.94	105	406598	48.802	ug/l	100
86) p-Isopropyltoluene	12.06	119	373605	49.880	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	185433	48.847	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184013	48.080	ug/l	99
89) n-Butylbenzene	12.38	91	335368	49.539	ug/l	100
90) Hexachloroethane	12.59	117	64118	50.247	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	186168	48.148	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36047	50.241	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	129184	48.857	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	65299	48.361	ug/l	99
95) Naphthalene	13.83	128	426036	49.525	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131376	49.017	ug/l	99

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

