

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011769.D
 Acq On : 22 Aug 2019 18:06
 Operator : JC/SP
 Sample : VX0822WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 8:42:00 AM

Quant Time: Aug 23 03:20:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	402173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	557124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	476369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	252206	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	197507	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.78%		
35) Dibromofluoromethane	5.49	113	177918	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.78%		
50) Toluene-d8	8.71	98	648379	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.20%		
62) 4-Bromofluorobenzene	11.13	95	226000	45.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.00%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	74531	19.857	ug/l	95
3) Chloromethane	1.32	50	65485	19.894	ug/l	99
4) Vinyl Chloride	1.40	62	63440	19.280	ug/l	97
5) Bromomethane	1.63	94	35549	19.611	ug/l	99
6) Chloroethane	1.71	64	36226	18.830	ug/l	99
7) Trichlorofluoromethane	1.92	101	101212	19.320	ug/l	99
8) Diethyl Ether	2.18	74	33526	18.820	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	58389	18.011	ug/l	97
10) Methyl Iodide	2.50	142	75113	18.970	ug/l	99
11) Tert butyl alcohol	3.04	59	77366	96.909	ug/l	100
12) 1,1-Dichloroethene	2.37	96	59330	18.769	ug/l	99
13) Acrolein	2.29	56	26344	85.366	ug/l	91
14) Allyl chloride	2.72	41	91649	18.550	ug/l	96
15) Acrylonitrile	3.14	53	178898	97.972	ug/l	99
16) Acetone	2.43	43	149132	84.857	ug/l	98
17) Carbon Disulfide	2.56	76	143772	17.989	ug/l	100
18) Methyl Acetate	2.76	43	97702	20.488	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	197998	19.527	ug/l	97
20) Methylene Chloride	2.85	84	66741	18.575	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	64561	18.936	ug/l	94
22) Diisopropyl ether	3.85	45	191966	20.037	ug/l	96
23) Vinyl Acetate	3.81	43	784360	98.882	ug/l	98
24) 1,1-Dichloroethane	3.69	63	109536	19.364	ug/l	99
25) 2-Butanone	4.66	43	245970	97.507	ug/l	100
26) 2,2-Dichloropropane	4.57	77	78116	16.262	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	73068	18.688	ug/l	97
28) Bromochloromethane	5.01	49	45873	17.865	ug/l	94
29) Tetrahydrofuran	5.12	42	160405	99.197	ug/l	99
30) Chloroform	5.21	83	118476	19.305	ug/l	99
31) Cyclohexane	5.57	56	97040	19.534	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	104804	19.646	ug/l	99
36) 1,1-Dichloropropene	5.79	75	84336	19.304	ug/l	97
37) Ethyl Acetate	4.82	43	91740	19.843	ug/l	99
38) Carbon Tetrachloride	5.78	117	90272	18.232	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100748	18.609	ug/l	99
40) Benzene	6.13	78	255632	18.915	ug/l	99
41) Methacrylonitrile	5.04	41	51640	19.205	ug/l	98
42) 1,2-Dichloroethane	6.18	62	90853	18.390	ug/l	100
43) Isopropyl Acetate	6.44	43	140622	18.792	ug/l	99
44) Trichloroethene	7.21	130	78022	18.728	ug/l	98
45) 1,2-Dichloropropane	7.51	63	64149	18.884	ug/l	97
46) Dibromomethane	7.66	93	44908	17.931	ug/l	96
47) Bromodichloromethane	7.90	83	83816	18.591	ug/l	99
48) Methyl methacrylate	7.77	41	72122	19.367	ug/l	99
49) 1,4-Dioxane	7.73	88	37177	360.308	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	473759	96.083	ug/l	99
52) Toluene	8.78	92	164885	18.853	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87529	18.494	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	95499	18.496	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	70348	19.307	ug/l	98
56) Ethyl methacrylate	9.18	69	101659	19.618	ug/l	100
57) 1,3-Dichloropropane	9.37	76	110026	18.701	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	259096	95.050	ug/l	99
59) 2-Hexanone	9.49	43	364448	96.301	ug/l	100
60) Dibromochloromethane	9.58	129	71320	18.104	ug/l	99
61) 1,2-Dibromoethane	9.67	107	75096	19.208	ug/l	100
64) Tetrachloroethene	9.34	164	76832	20.217	ug/l	95
65) Chlorobenzene	10.13	112	177976	19.136	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	67135	19.266	ug/l	100
67) Ethyl Benzene	10.25	91	300940	19.363	ug/l	98
68) m/p-Xylenes	10.35	106	233558	38.974	ug/l	99
69) o-Xylene	10.69	106	113485	19.288	ug/l	99
70) Styrene	10.71	104	187753	19.075	ug/l	99
71) Bromoform	10.85	173	52535	17.477	ug/l #	98
73) Isopropylbenzene	11.02	105	307558	20.236	ug/l	99
74) N-amyl acetate	10.90	43	116259	19.758	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	101332	20.142	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	87652m	19.806	ug/l	
77) Bromobenzene	11.25	156	87341	19.493	ug/l	99
78) n-propylbenzene	11.36	91	330344	20.327	ug/l	99
79) 2-Chlorotoluene	11.42	91	203044	20.082	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	264144	20.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24874	16.951	ug/l	89
82) 4-Chlorotoluene	11.51	91	235809	20.233	ug/l	99
83) tert-Butylbenzene	11.77	119	255516	20.422	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	265493	20.732	ug/l	96
85) sec-Butylbenzene	11.94	105	296232	20.698	ug/l	100
86) p-Isopropyltoluene	12.06	119	276711	20.095	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	149719	19.404	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	150325	19.256	ug/l	99
89) n-Butylbenzene	12.38	91	223141	19.575	ug/l	99
90) Hexachloroethane	12.59	117	41376	19.341	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	150128	19.291	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	22906	19.588	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	105551	18.438	ug/l	99
94) Hexachlorobutadiene	13.78	225	58165	18.542	ug/l	99
95) Naphthalene	13.83	128	315913	20.037	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	108192	18.823	ug/l	99

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

