

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX004998.D
 Acq On : 04 Oct 2018 05:08
 Operator : JC/MD
 Sample : VX1004WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2018 3:24:48 PM

Quant Time: Oct 04 09:01:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	363121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	189076	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
35) Dibromofluoromethane	5.50	113	162475	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	8.71	98	558004	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.14	95	202085	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	77056	19.939	ug/l	95
3) Chloromethane	1.32	50	85716	18.282	ug/l	96
4) Vinyl Chloride	1.40	62	86608	19.695	ug/l	99
5) Bromomethane	1.64	94	47163	18.086	ug/l	94
6) Chloroethane	1.72	64	54467	21.396	ug/l	98
7) Trichlorofluoromethane	1.93	101	106709	19.601	ug/l	93
8) Diethyl Ether	2.19	74	47254	19.980	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65047	20.976	ug/l	96
10) Methyl Iodide	2.51	142	63276	15.248	ug/l	94
11) Tert butyl alcohol	3.07	59	112985	99.802	ug/l	98
12) 1,1-Dichloroethene	2.37	96	60573	19.724	ug/l	95
13) Acrolein	2.29	56	22140	27.487	ug/l	94
14) Allyl chloride	2.73	41	126640	18.899	ug/l	96
15) Acrylonitrile	3.15	53	248375	99.662	ug/l	92
16) Acetone	2.45	43	214345	90.679	ug/l	92
17) Carbon Disulfide	2.57	76	166055	17.994	ug/l	98
18) Methyl Acetate	2.78	43	138688	23.157	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	230252	21.736	ug/l #	90
20) Methylene Chloride	2.85	84	73677	20.950	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	63111	18.773	ug/l #	80
22) Diisopropyl ether	3.87	45	241960	21.444	ug/l	95
23) Vinyl Acetate	3.82	43	1010061	97.793	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	127790	18.986	ug/l	98
25) 2-Butanone	4.70	43	335179	96.197	ug/l	96
26) 2,2-Dichloropropane	4.58	77	57804	12.333	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	75953	20.224	ug/l	96
28) Bromochloromethane	5.02	49	60207	18.995	ug/l	93
29) Tetrahydrofuran	5.16	42	218521	100.905	ug/l	98
30) Chloroform	5.21	83	131906	20.736	ug/l	90
31) Cyclohexane	5.58	56	107861	20.938	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	101304	19.500	ug/l	97
36) 1,1-Dichloropropene	5.80	75	84471	18.623	ug/l	97
37) Ethyl Acetate	4.85	43	124486	20.675	ug/l	99
38) Carbon Tetrachloride	5.78	117	86775	18.199	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	90399	19.518	ug/l #	85
40) Benzene	6.14	78	271257	19.102	ug/l	92
41) Methacrylonitrile	5.06	41	67525	20.223	ug/l	97
42) 1,2-Dichloroethane	6.20	62	94650	18.855	ug/l	99
43) Isopropyl Acetate	6.46	43	181357	20.869	ug/l	97
44) Trichloroethene	7.21	130	68871	19.729	ug/l	99
45) 1,2-Dichloropropane	7.52	63	70143	20.142	ug/l	99
46) Dibromomethane	7.66	93	43997	20.103	ug/l	99
47) Bromodichloromethane	7.90	83	81954	20.001	ug/l	99
48) Methyl methacrylate	7.78	41	82677	20.960	ug/l	96
49) 1,4-Dioxane	7.75	88	38368	391.532	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	581328	106.240	ug/l	100
52) Toluene	8.79	92	160549	20.575	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	84966	18.350	ug/l	92
54) cis-1,3-Dichloropropene	8.43	75	93021	19.180	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	67436	19.730	ug/l	96
56) Ethyl methacrylate	9.18	69	100999	20.030	ug/l	95
57) 1,3-Dichloropropane	9.37	76	111794	19.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	277786	103.192	ug/l	99
59) 2-Hexanone	9.50	43	457696	100.377	ug/l	95
60) Dibromochloromethane	9.59	129	65232	19.084	ug/l	99
61) 1,2-Dibromoethane	9.67	107	69479	18.981	ug/l	96
64) Tetrachloroethene	9.34	164	71788	20.087	ug/l	97
65) Chlorobenzene	10.14	112	178418	19.161	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	63064	19.265	ug/l	99
67) Ethyl Benzene	10.26	91	293073	19.825	ug/l	97
68) m/p-Xylenes	10.36	106	229913	39.799	ug/l	95
69) o-Xylene	10.70	106	110008	20.733	ug/l	100
70) Styrene	10.71	104	183711	19.860	ug/l	99
71) Bromoform	10.86	173	51340	18.319	ug/l #	95
73) Isopropylbenzene	11.02	105	298583	22.128	ug/l	100
74) N-amyl acetate	10.90	43	140075	19.974	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	106382	19.367	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	97573m	20.335	ug/l	
77) Bromobenzene	11.26	156	81633	20.828	ug/l	99
78) n-propylbenzene	11.36	91	334135	21.582	ug/l	99
79) 2-Chlorotoluene	11.42	91	203928	21.132	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	246428	19.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24185	15.188	ug/l	96
82) 4-Chlorotoluene	11.51	91	238978	21.039	ug/l	100
83) tert-Butylbenzene	11.77	119	241150	21.706	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	259388	20.220	ug/l	100
85) sec-Butylbenzene	11.94	105	287389	21.238	ug/l	100
86) p-Isopropyltoluene	12.07	119	256793	20.945	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	145275	19.850	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	148728	19.686	ug/l	99
89) n-Butylbenzene	12.39	91	218318	19.607	ug/l	100
90) Hexachloroethane	12.60	117	38349	18.787	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	147860	19.333	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23841	19.768	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	104781	19.530	ug/l	100
94) Hexachlorobutadiene	13.78	225	50936	18.309	ug/l	99
95) Naphthalene	13.83	128	342962	19.702	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	109978	19.844	ug/l	99

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

