

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX103118\
 Data File : VX005708.D
 Acq On : 31 Oct 2018 14:54
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 9:49:16 AM

Quant Time: Oct 31 15:56:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 15:44:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	116784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	184484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87002	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	36349	25.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.00%	
35) Dibromofluoromethane	5.50	113	26861	21.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.00%	
50) Toluene-d8	8.71	98	92466	20.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.20%	
62) 4-Bromofluorobenzene	11.14	95	31482	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	28686	24.886	ug/l	99
3) Chloromethane	1.32	50	31935	21.754	ug/l	97
4) Vinyl Chloride	1.41	62	32936	22.818	ug/l	99
5) Bromomethane	1.64	94	36639	40.793	ug/l	99
6) Chloroethane	1.71	64	20756	22.509	ug/l	98
7) Trichlorofluoromethane	1.93	101	40813	20.349	ug/l	97
8) Diethyl Ether	2.19	74	18027	22.522	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24176	21.009	ug/l	90
10) Methyl Iodide	2.51	142	20260	18.633	ug/l	100
11) Tert butyl alcohol	3.07	59	45258	117.977	ug/l	100
12) 1,1-Dichloroethene	2.37	96	24010	21.902	ug/l	98
13) Acrolein	2.29	56	31739	162.193	ug/l	98
14) Allyl chloride	2.73	41	49446	20.210	ug/l	94
15) Acrylonitrile	3.15	53	96639	112.343	ug/l	99
16) Acetone	2.45	43	92053	122.201	ug/l	98
17) Carbon Disulfide	2.57	76	72522	21.702	ug/l	96
18) Methyl Acetate	2.78	43	46404	21.990	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	84190	21.529	ug/l	97
20) Methylene Chloride	2.85	84	27865	22.086	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	25291	21.130	ug/l	94
22) Diisopropyl ether	3.87	45	90960	21.290	ug/l #	95
23) Vinyl Acetate	3.82	43	403372	107.199	ug/l	99
24) 1,1-Dichloroethane	3.70	63	53074	22.848	ug/l	98
25) 2-Butanone	4.70	43	136926	119.366	ug/l	99
26) 2,2-Dichloropropane	4.59	77	38714	21.587	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	28989	22.465	ug/l	94
28) Bromochloromethane	5.02	49	26819	23.871	ug/l	93
29) Tetrahydrofuran	5.15	42	87341	116.998	ug/l	96
30) Chloroform	5.21	83	50141	23.076	ug/l	89
31) Cyclohexane	5.57	56	43492	22.629	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	41414	21.595	ug/l	96
36) 1,1-Dichloropropene	5.80	75	37009	20.672	ug/l	98
37) Ethyl Acetate	4.87	43	49738	21.771	ug/l	98
38) Carbon Tetrachloride	5.78	117	34688	18.396	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	38705	19.578	ug/l	95
40) Benzene	6.14	78	114795	22.368	ug/l	98
41) Methacrylonitrile	5.06	41	26810	21.067	ug/l	98
42) 1,2-Dichloroethane	6.19	62	42831	21.968	ug/l	98
43) Isopropyl Acetate	6.46	43	71642	20.926	ug/l	99
44) Trichloroethene	7.22	130	25686	18.372	ug/l	89
45) 1,2-Dichloropropane	7.52	63	28715	20.811	ug/l	99
46) Dibromomethane	7.66	93	18078	20.286	ug/l	88
47) Bromodichloromethane	7.90	83	33929	19.616	ug/l #	97
48) Methyl methacrylate	7.77	41	33861	20.303	ug/l	96
49) 1,4-Dioxane	7.76	88	15577	427.383	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	240894	104.699	ug/l	98
52) Toluene	8.79	92	61806	19.815	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	37999	20.328	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	41208	20.475	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	26372	20.054	ug/l	97
56) Ethyl methacrylate	9.18	69	39707	20.243	ug/l	98
57) 1,3-Dichloropropane	9.37	76	46862	21.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	118673	108.327	ug/l	94
59) 2-Hexanone	9.49	43	193349	106.582	ug/l	98
60) Dibromochloromethane	9.59	129	25020	18.236	ug/l	98
61) 1,2-Dibromoethane	9.67	107	26556	19.520	ug/l	100
64) Tetrachloroethene	9.34	164	23759	17.081	ug/l	96
65) Chlorobenzene	10.14	112	67295	18.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	22971	17.656	ug/l	96
67) Ethyl Benzene	10.25	91	116771	19.891	ug/l	97
68) m/p-Xylenes	10.36	106	88244	38.744	ug/l	94
69) o-Xylene	10.70	106	42478	19.823	ug/l	97
70) Styrene	10.71	104	71749	20.002	ug/l	98
71) Bromoform	10.86	173	17462	15.041	ug/l #	96
73) Isopropylbenzene	11.02	105	114623	21.553	ug/l	100
74) N-amyl acetate	10.90	43	58562	22.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	44077	22.465	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	42997m	23.325	ug/l	
77) Bromobenzene	11.26	156	28008	18.897	ug/l	87
78) n-propylbenzene	11.36	91	140366	23.082	ug/l	97
79) 2-Chlorotoluene	11.42	91	82384	21.849	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	97972	21.535	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	12459	22.085	ug/l	92
82) 4-Chlorotoluene	11.51	91	98281	22.105	ug/l	95
83) tert-Butylbenzene	11.77	119	92033	20.294	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	102038	22.130	ug/l	96
85) sec-Butylbenzene	11.94	105	119015	21.993	ug/l	97
86) p-Isopropyltoluene	12.07	119	100063	20.685	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	52356	18.785	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	53906	18.529	ug/l	96
89) n-Butylbenzene	12.39	91	96685	22.139	ug/l	96
90) Hexachloroethane	12.60	117	16760	20.088	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	53796	19.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10750	22.660	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35312	17.275	ug/l	99
94) Hexachlorobutadiene	13.79	225	16795	15.855	ug/l	97
95) Naphthalene	13.83	128	120701	20.314	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	36550	17.639	ug/l	99

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

