

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009691.D
 Acq On : 18 May 2019 03:55
 Operator : JC/SP
 Sample : VX0517WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS04

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:11 AM

Quant Time: May 18 06:51:02 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	134890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	221141	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	200927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97906	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	93013	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	5.50	113	67344	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	8.71	98	261479	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
62) 4-Bromofluorobenzene	11.13	95	95834	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	20471	16.469	ug/l	98
3) Chloromethane	1.32	50	33369	19.663	ug/l	99
4) Vinyl Chloride	1.41	62	33017	19.952	ug/l	97
5) Bromomethane	1.64	94	21432	21.577	ug/l	100
6) Chloroethane	1.71	64	21693	20.417	ug/l	98
7) Trichlorofluoromethane	1.92	101	41003	20.384	ug/l	98
8) Diethyl Ether	2.19	74	20624	21.645	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24370	19.292	ug/l	98
10) Methyl Iodide	2.51	142	22276	18.377	ug/l	98
11) Tert butyl alcohol	3.05	59	52397	122.928	ug/l	98
12) 1,1-Dichloroethene	2.37	96	25229	19.934	ug/l	97
13) Acrolein	2.29	56	39652	102.721	ug/l	98
14) Allyl chloride	2.73	41	61800	20.036	ug/l	98
15) Acrylonitrile	3.14	53	122193	117.246	ug/l	99
16) Acetone	2.45	43	110537	111.793	ug/l	97
17) Carbon Disulfide	2.57	76	64043	18.023	ug/l	99
18) Methyl Acetate	2.78	43	56746	24.132	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	107072	21.785	ug/l	99
20) Methylene Chloride	2.85	84	32556	20.335	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	28209	20.551	ug/l	97
22) Diisopropyl ether	3.86	45	132248	22.295	ug/l	96
23) Vinyl Acetate	3.82	43	565348	111.303	ug/l	99
24) 1,1-Dichloroethane	3.70	63	61672	21.076	ug/l	100
25) 2-Butanone	4.68	43	181684	118.245	ug/l	98
26) 2,2-Dichloropropane	4.59	77	26271	12.062	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	34387	20.989	ug/l	96
28) Bromochloromethane	5.02	49	28189	22.419	ug/l	97
29) Tetrahydrofuran	5.13	42	119854	121.219	ug/l	98
30) Chloroform	5.21	83	57044	21.554	ug/l	98
31) Cyclohexane	5.58	56	53815	19.767	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	45900	20.834	ug/l	98
36) 1,1-Dichloropropene	5.80	75	41277	20.085	ug/l	100
37) Ethyl Acetate	4.84	43	66950	23.382	ug/l	99
38) Carbon Tetrachloride	5.79	117	37420	20.041	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	45390	17.984	ug/l	99
40) Benzene	6.15	78	132923	20.899	ug/l	98
41) Methacrylonitrile	5.05	41	38221	22.424	ug/l	98
42) 1,2-Dichloroethane	6.20	62	50072	21.947	ug/l	100
43) Isopropyl Acetate	6.45	43	101697	22.204	ug/l	99
44) Trichloroethene	7.21	130	31079	20.213	ug/l	93
45) 1,2-Dichloropropane	7.51	63	38232	21.229	ug/l	98
46) Dibromomethane	7.66	93	22082	21.115	ug/l	99
47) Bromodichloromethane	7.90	83	43505	20.854	ug/l	100
48) Methyl methacrylate	7.77	41	51443	22.639	ug/l	96
49) 1,4-Dioxane	7.74	88	22021	477.868	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	355893	118.883	ug/l	98
52) Toluene	8.79	92	80711	20.876	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	45301	19.234	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	50772	19.476	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	33611	21.309	ug/l	97
56) Ethyl methacrylate	9.18	69	60265	21.404	ug/l	97
57) 1,3-Dichloropropane	9.37	76	59712	21.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	133503	89.381	ug/l	100
59) 2-Hexanone	9.49	43	277493	118.023	ug/l	98
60) Dibromochloromethane	9.58	129	31571	20.494	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34543	21.696	ug/l	99
64) Tetrachloroethene	9.34	164	30192	21.906	ug/l	95
65) Chlorobenzene	10.13	112	83450	20.762	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	30562	20.973	ug/l	99
67) Ethyl Benzene	10.25	91	151688	20.506	ug/l	100
68) m/p-Xylenes	10.36	106	110342	40.819	ug/l	98
69) o-Xylene	10.70	106	55628	20.857	ug/l	98
70) Styrene	10.71	104	95724	20.650	ug/l	99
71) Bromoform	10.85	173	23909	20.190	ug/l #	99
73) Isopropylbenzene	11.02	105	146954	20.641	ug/l	99
74) N-amyl acetate	10.90	43	90783	21.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	58109	21.894	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	55652m	24.505	ug/l	
77) Bromobenzene	11.26	156	37024	20.952	ug/l	97
78) n-propylbenzene	11.36	91	165452	20.348	ug/l	100
79) 2-Chlorotoluene	11.42	91	102778	20.488	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	124447	20.759	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	14815	16.691	ug/l	91
82) 4-Chlorotoluene	11.51	91	116018	20.472	ug/l	99
83) tert-Butylbenzene	11.77	119	117947	20.225	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	125611	20.875	ug/l	99
85) sec-Butylbenzene	11.94	105	140660	20.345	ug/l	99
86) p-Isopropyltoluene	12.06	119	127366	20.492	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	65198	20.696	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	64381	20.271	ug/l	98
89) n-Butylbenzene	12.38	91	109310	19.458	ug/l	99
90) Hexachloroethane	12.59	117	20888	19.726	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	66539	20.738	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13755	23.103	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	44897	20.462	ug/l	98
94) Hexachlorobutadiene	13.78	225	22906	20.443	ug/l	98
95) Naphthalene	13.83	128	157210	22.023	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	48028	21.594	ug/l	99

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

