

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\
 Data File : VX009881.D
 Acq On : 24 May 2019 13:03
 Operator : JC/SP
 Sample : VX0524WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 9:52:09 AM

Quant Time: May 25 01:04:01 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	5.66	168	182816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296553	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130097	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	117490	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	5.50	113	83263	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	
50) Toluene-d8	8.71	98	343779	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
62) 4-Bromofluorobenzene	11.13	95	123348	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	27006	16.030	ug/l	100
3) Chloromethane	1.32	50	43671	18.987	ug/l	99
4) Vinyl Chloride	1.41	62	40745	18.167	ug/l	98
5) Bromomethane	1.64	94	26219	19.477	ug/l	93
6) Chloroethane	1.72	64	25434	17.663	ug/l	98
7) Trichlorofluoromethane	1.93	101	48831	17.911	ug/l	98
8) Diethyl Ether	2.19	74	22904	17.736	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30127	17.598	ug/l	100
10) Methyl Iodide	2.51	142	34329	20.266	ug/l	99
11) Tert butyl alcohol	3.05	59	59266	102.593	ug/l	100
12) 1,1-Dichloroethene	2.37	96	29899	17.430	ug/l	98
13) Acrolein	2.29	56	42103	80.477	ug/l	98
14) Allyl chloride	2.73	41	76079	18.199	ug/l	98
15) Acrylonitrile	3.14	53	131880	93.368	ug/l	98
16) Acetone	2.45	43	130477	97.366	ug/l	98
17) Carbon Disulfide	2.57	76	84004	17.443	ug/l	99
18) Methyl Acetate	2.78	43	58110	18.234	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	119937	18.006	ug/l	100
20) Methylene Chloride	2.85	84	38075	17.548	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	33334	17.919	ug/l	98
22) Diisopropyl ether	3.86	45	152082	18.918	ug/l	96
23) Vinyl Acetate	3.82	43	676015	98.200	ug/l	98
24) 1,1-Dichloroethane	3.70	63	71288	17.976	ug/l	99
25) 2-Butanone	4.68	43	205269	98.572	ug/l	98
26) 2,2-Dichloropropane	4.58	77	51472	17.437	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	38943	17.538	ug/l	96
28) Bromochloromethane	5.01	49	33753	19.469	ug/l	95
29) Tetrahydrofuran	5.13	42	131796	98.353	ug/l	97
30) Chloroform	5.21	83	64654	18.025	ug/l	95
31) Cyclohexane	5.58	56	68256	18.499	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	52752	17.667	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48922	17.752	ug/l	99
37) Ethyl Acetate	4.84	43	74889	19.503	ug/l	98
38) Carbon Tetrachloride	5.79	117	43437	17.348	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60748	17.949	ug/l	95
40) Benzene	6.14	78	152247	17.850	ug/l	99
41) Methacrylonitrile	5.04	41	41806	18.290	ug/l	98
42) 1,2-Dichloroethane	6.19	62	56809	18.568	ug/l	98
43) Isopropyl Acetate	6.45	43	117303	19.099	ug/l	98
44) Trichloroethene	7.21	130	35541	17.237	ug/l	99
45) 1,2-Dichloropropane	7.51	63	44422	18.394	ug/l	100
46) Dibromomethane	7.66	93	24818	17.696	ug/l	98
47) Bromodichloromethane	7.90	83	48501	17.337	ug/l	95
48) Methyl methacrylate	7.77	41	58861	19.317	ug/l	97
49) 1,4-Dioxane	7.74	88	21673	350.717	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	396450	98.754	ug/l	98
52) Toluene	8.79	92	92985	17.935	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	56172	17.785	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	62283	17.816	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	37028	17.506	ug/l	94
56) Ethyl methacrylate	9.18	69	68926	18.255	ug/l	96
57) 1,3-Dichloropropane	9.37	76	67273	18.074	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	176542	88.139	ug/l	99
59) 2-Hexanone	9.49	43	310756	98.560	ug/l	97
60) Dibromochloromethane	9.58	129	35495	17.182	ug/l	99
61) 1,2-Dibromoethane	9.67	107	38086	17.838	ug/l	99
64) Tetrachloroethene	9.34	164	33249	18.070	ug/l	98
65) Chlorobenzene	10.14	112	95436	17.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	33443	17.191	ug/l	99
67) Ethyl Benzene	10.25	91	176337	17.856	ug/l	99
68) m/p-Xylenes	10.36	106	127702	35.387	ug/l	95
69) o-Xylene	10.69	106	63557	17.850	ug/l	99
70) Styrene	10.71	104	108746	17.572	ug/l	98
71) Bromoform	10.85	173	26276	16.621	ug/l #	98
73) Isopropylbenzene	11.02	105	167983	17.756	ug/l	99
74) N-amyl acetate	10.90	43	103695	18.800	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	63821	18.096	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56233m	18.634	ug/l	
77) Bromobenzene	11.26	156	41789	17.797	ug/l	97
78) n-propylbenzene	11.36	91	194540	18.006	ug/l	100
79) 2-Chlorotoluene	11.42	91	117061	17.562	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	143370	17.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19511	16.542	ug/l	90
82) 4-Chlorotoluene	11.51	91	134418	17.850	ug/l	99
83) tert-Butylbenzene	11.77	119	135562	17.494	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	143458	17.942	ug/l	99
85) sec-Butylbenzene	11.94	105	163360	17.781	ug/l	100
86) p-Isopropyltoluene	12.06	119	148417	17.970	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73528	17.565	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	73099	17.321	ug/l	97
89) n-Butylbenzene	12.38	91	135204	18.112	ug/l	99
90) Hexachloroethane	12.59	117	23435	16.655	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	73286	17.189	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14220	17.974	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	52743	18.090	ug/l	99
94) Hexachlorobutadiene	13.78	225	26927	18.085	ug/l	98
95) Naphthalene	13.83	128	168314	17.744	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52513	17.768	ug/l	99

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

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