

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041819\
 Data File : VX009041.D
 Acq On : 18 Apr 2019 14:11
 Operator : JC/SP
 Sample : VX0418WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 9:11:59 AM

Quant Time: Apr 19 05:04:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333335	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135515	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	143596	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	5.50	113	105742	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	8.71	98	427088	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	150210	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	50838	21.997	ug/l	97
3) Chloromethane	1.32	50	62851	22.152	ug/l	99
4) Vinyl Chloride	1.41	62	58336	21.125	ug/l	98
5) Bromomethane	1.64	94	32838	21.376	ug/l	99
6) Chloroethane	1.72	64	34687	21.361	ug/l	100
7) Trichlorofluoromethane	1.93	101	66711	20.691	ug/l	96
8) Diethyl Ether	2.19	74	30802	20.889	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	42800	20.762	ug/l	99
10) Methyl Iodide	2.51	142	44601	22.455	ug/l	98
11) Tert butyl alcohol	3.05	59	73010	116.317	ug/l	100
12) 1,1-Dichloroethene	2.37	96	44738	20.792	ug/l	94
13) Acrolein	2.29	56	40641	74.936	ug/l	100
14) Allyl chloride	2.73	41	101291	21.577	ug/l	98
15) Acrylonitrile	3.14	53	180974	113.580	ug/l	100
16) Acetone	2.45	43	158852	108.328	ug/l	99
17) Carbon Disulfide	2.57	76	124153	20.396	ug/l	99
18) Methyl Acetate	2.78	43	83196	22.732	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	164792	21.494	ug/l	100
20) Methylene Chloride	2.85	84	53076	21.165	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	46193	20.127	ug/l	95
22) Diisopropyl ether	3.86	45	202988	22.252	ug/l	90
23) Vinyl Acetate	3.82	43	898985	112.111	ug/l	99
24) 1,1-Dichloroethane	3.70	63	97023	21.188	ug/l	100
25) 2-Butanone	4.68	43	270440	115.379	ug/l	100
26) 2,2-Dichloropropane	4.59	77	63737	18.569	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	55104	21.147	ug/l	100
28) Bromochloromethane	5.02	49	43921	22.012	ug/l	96
29) Tetrahydrofuran	5.13	42	180813	115.253	ug/l	99
30) Chloroform	5.21	83	88167	21.516	ug/l	99
31) Cyclohexane	5.58	56	93338	20.724	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	72390	21.315	ug/l	99
36) 1,1-Dichloropropene	5.80	75	67009	19.438	ug/l	100
37) Ethyl Acetate	4.84	43	100500	22.655	ug/l	99
38) Carbon Tetrachloride	5.79	117	58729	20.095	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82720	19.708	ug/l	97
40) Benzene	6.15	78	210403	20.688	ug/l	98
41) Methacrylonitrile	5.04	41	56968	22.376	ug/l	99
42) 1,2-Dichloroethane	6.20	62	75095	20.844	ug/l	99
43) Isopropyl Acetate	6.45	43	154318	21.587	ug/l	99
44) Trichloroethene	7.21	130	49080	19.696	ug/l	98
45) 1,2-Dichloropropane	7.51	63	60516	21.449	ug/l	100
46) Dibromomethane	7.66	93	33744	20.550	ug/l	99
47) Bromodichloromethane	7.90	83	65880	20.456	ug/l	99
48) Methyl methacrylate	7.77	41	77656	21.985	ug/l	98
49) 1,4-Dioxane	7.74	88	29253	442.474	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	519729	114.120	ug/l	99
52) Toluene	8.79	92	125990	20.671	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	73514	19.834	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	83695	20.167	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51648	21.380	ug/l	97
56) Ethyl methacrylate	9.18	69	93350	21.551	ug/l	98
57) 1,3-Dichloropropane	9.37	76	90710	21.090	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	244995	105.034	ug/l	99
59) 2-Hexanone	9.49	43	400005	113.922	ug/l	99
60) Dibromochloromethane	9.58	129	48216	20.826	ug/l	98
61) 1,2-Dibromoethane	9.67	107	52305	20.979	ug/l	99
64) Tetrachloroethene	9.34	164	45277	20.202	ug/l	98
65) Chlorobenzene	10.14	112	127559	20.484	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	45694	20.829	ug/l	99
67) Ethyl Benzene	10.25	91	235512	20.689	ug/l	99
68) m/p-Xylenes	10.36	106	168559	40.744	ug/l	98
69) o-Xylene	10.70	106	83250	20.681	ug/l	98
70) Styrene	10.71	104	143137	20.520	ug/l	98
71) Bromoform	10.85	173	35121	20.096	ug/l #	99
73) Isopropylbenzene	11.02	105	222761	21.686	ug/l	100
74) N-amyl acetate	10.90	43	131284	22.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84670	22.560	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	71910m	21.732	ug/l	
77) Bromobenzene	11.26	156	53281	20.559	ug/l	97
78) n-propylbenzene	11.36	91	251848	21.362	ug/l	100
79) 2-Chlorotoluene	11.42	91	152391	21.450	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	185547	21.526	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	25384	19.694	ug/l	92
82) 4-Chlorotoluene	11.51	91	171422	20.776	ug/l	99
83) tert-Butylbenzene	11.77	119	172686	20.867	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	187614	21.382	ug/l	100
85) sec-Butylbenzene	11.94	105	209094	21.184	ug/l	100
86) p-Isopropyltoluene	12.06	119	190038	20.942	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	92447	20.381	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	93003	20.226	ug/l	99
89) n-Butylbenzene	12.38	91	171157	20.253	ug/l	99
90) Hexachloroethane	12.60	117	31344	20.940	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	93754	20.931	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17822	20.856	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	64250	19.871	ug/l	100
94) Hexachlorobutadiene	13.78	225	32406	20.095	ug/l	99
95) Naphthalene	13.83	128	214453	20.702	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	65040	20.387	ug/l	100

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

