

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009173.D
 Acq On : 25 Apr 2019 19:27
 Operator : JC/SP
 Sample : K2535-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Manual Integrations
 APPROVED

Quant Time: Apr 26 07:36:02 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	187739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306250	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133965	50.00	ug/l	0.00

System Monitoring Compounds

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33) 1,2-Dichloroethane-d4	6.06	65	131644	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	5.50	113	97094	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	8.71	98	388816	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.13	95	143467	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.20	85	105488	48.783	ug/l	99
3) Chloromethane	1.32	50	127183	47.908	ug/l	99
4) Vinyl Chloride	1.40	62	123488	47.792	ug/l	99
5) Bromomethane	1.64	94	72799	45.378	ug/l	98
6) Chloroethane	1.71	64	74172	48.817	ug/l	100
7) Trichlorofluoromethane	1.92	101	144343	47.847	ug/l	100
8) Diethyl Ether	2.19	74	65472	47.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89425	46.362	ug/l	100
10) Methyl Iodide	2.51	142	101754	48.404	ug/l	99
11) Tert butyl alcohol	3.06	59	153192	260.845	ug/l	99
12) 1,1-Dichloroethene	2.37	96	92076	45.734	ug/l	99
13) Acrolein	2.29	56	113990	224.636	ug/l	99
14) Allyl chloride	2.72	41	213778	48.670	ug/l	99
15) Acrylonitrile	3.14	53	385842	258.810	ug/l	100
16) Acetone	2.45	43	333626	243.161	ug/l	98
17) Carbon Disulfide	2.56	76	266363	45.148	ug/l	99
18) Methyl Acetate	2.78	43	151018	44.102	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	349777	48.759	ug/l	100
20) Methylene Chloride	2.85	84	110637	47.153	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	98034	45.652	ug/l	96
22) Diisopropyl ether	3.86	45	421232	49.353	ug/l	# 87
23) Vinyl Acetate	3.82	43	1630603	217.335	ug/l	99
24) 1,1-Dichloroethane	3.70	63	203756	47.557	ug/l	100
25) 2-Butanone	4.68	43	571984	260.809	ug/l	99
26) 2,2-Dichloropropane	4.59	77	119611	37.243	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	114143	46.816	ug/l	98
28) Bromochloromethane	5.01	49	87520	49.146	ug/l	100
29) Tetrahydrofuran	5.13	42	378584	257.910	ug/l	99
30) Chloroform	5.21	83	186257	48.580	ug/l	100
31) Cyclohexane	5.58	56	200470	47.572	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	153565	48.327	ug/l	99
36) 1,1-Dichloropropene	5.80	75	142065	44.854	ug/l	99
37) Ethyl Acetate	4.84	43	185942	45.623	ug/l	99
38) Carbon Tetrachloride	5.78	117	129713	48.308	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	185756	48.169	ug/l	99
40) Benzene	6.14	78	444629	47.586	ug/l	99
41) Methacrylonitrile	5.04	41	119827	51.228	ug/l	99
42) 1,2-Dichloroethane	6.19	62	158624	47.924	ug/l	99
43) Isopropyl Acetate	6.45	43	304247	46.324	ug/l	99
44) Trichloroethene	7.21	130	101514	44.341	ug/l	97
45) 1,2-Dichloropropane	7.51	63	127324	49.118	ug/l	98
46) Dibromomethane	7.66	93	71402	47.330	ug/l	100
47) Bromodichloromethane	7.90	83	144730	48.914	ug/l	100
48) Methyl methacrylate	7.77	41	165335	50.947	ug/l	99
49) 1,4-Dioxane	7.74	88	57734	950.504	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1128178	269.629	ug/l	99
52) Toluene	8.79	92	268299	47.912	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	160961	47.268	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	178391	46.785	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	109590	49.378	ug/l	98
56) Ethyl methacrylate	9.18	69	203580	51.156	ug/l	98
57) 1,3-Dichloropropane	9.37	76	193185	48.888	ug/l	100
59) 2-Hexanone	9.49	43	871912	270.283	ug/l	100
60) Dibromochloromethane	9.58	129	107863	50.709	ug/l	99
61) 1,2-Dibromoethane	9.67	107	111166	48.531	ug/l	99
64) Tetrachloroethene	9.34	164	88259	41.858	ug/l	98
65) Chlorobenzene	10.14	112	273711	46.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	99981	48.444	ug/l	99
67) Ethyl Benzene	10.25	91	509767	47.600	ug/l	99
68) m/p-Xylenes	10.36	106	373814	96.044	ug/l	99
69) o-Xylene	10.70	106	183266	48.393	ug/l	99
70) Stvrene	10.71	104	319782	48.727	ug/l	99
71) Bromoform	10.85	173	83041	50.504	ug/l	# 100
73) Isopropylbenzene	11.02	105	487345	47.993	ug/l	100
74) N-amyl acetate	10.90	43	260781	44.728	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	185003	49.863	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	181460m	55.473	ug/l	
77) Bromobenzene	11.26	156	120475	47.023	ug/l	99
78) n-propylbenzene	11.36	91	562578	48.269	ug/l	100
79) 2-Chlorotoluene	11.42	91	338704	48.226	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	411442	48.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58579	45.974	ug/l	97
82) 4-Chlorotoluene	11.51	91	387716	47.533	ug/l	100
83) tert-Butylbenzene	11.77	119	399639	48.849	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	414692	47.810	ug/l	100
85) sec-Butylbenzene	11.94	105	471202	48.292	ug/l	99
86) p-Isopropyltoluene	12.06	119	428710	47.790	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	210844	47.020	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	209272	46.038	ug/l	99
89) n-Butylbenzene	12.38	91	386243	46.232	ug/l	99
90) Hexachloroethane	12.60	117	73127	49.419	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	214764	48.502	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41871	49.566	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	147315	46.088	ug/l	99

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QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	73499	46.104	ug/l	100
95) Naphthalene	13.83	128	499068	48.734	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	147925	46.904	ug/l	100

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

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