

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\
 Data File : VX011538.D
 Acq On : 13 Aug 2019 16:04
 Operator : JC/SP
 Sample : K4279-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0668MSD

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:32:05 AM

Quant Time: Aug 14 02:14:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	167050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98753	58.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.40%	
35) Dibromofluoromethane	5.49	113	83663	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	8.71	98	296755	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.13	95	116231	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	54393	42.159	ug/l	99
3) Chloromethane	1.32	50	60427	41.707	ug/l	99
4) Vinyl Chloride	1.40	62	65339	40.998	ug/l	99
5) Bromomethane	1.63	94	51518	45.325	ug/l	100
6) Chloroethane	1.71	64	43401	43.655	ug/l	98
7) Trichlorofluoromethane	1.92	101	117967	41.630	ug/l	99
8) Diethyl Ether	2.18	74	43325	42.818	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67160	43.802	ug/l	98
10) Methyl Iodide	2.50	142	87537	45.284	ug/l	96
11) Tert butyl alcohol	3.04	59	90154	268.746	ug/l	99
12) 1,1-Dichloroethene	2.36	96	66905	44.020	ug/l	88
13) Acrolein	2.29	56	49829	238.998	ug/l	98
14) Allyl chloride	2.72	41	107302	52.957	ug/l	97
15) Acrylonitrile	3.14	53	217658	271.896	ug/l	99
16) Acetone	2.44	43	185052	231.103	ug/l	96
17) Carbon Disulfide	2.56	76	146563	41.093	ug/l	100
18) Methyl Acetate	2.76	43	101361	55.392	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	248381	55.454	ug/l #	86
20) Methylene Chloride	2.85	84	81564	46.511	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	73836	45.925	ug/l	93
22) Diisopropyl ether	3.85	45	237772	53.393	ug/l	98
23) Vinyl Acetate	3.81	43	1030645	279.037	ug/l	98
24) 1,1-Dichloroethane	3.69	63	134650	51.277	ug/l	99
25) 2-Butanone	4.67	43	298670	262.211	ug/l	98
26) 2,2-Dichloropropane	4.58	77	100761	49.362	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	90623	48.936	ug/l	97
28) Bromochloromethane	5.01	49	62023	51.810	ug/l	95
29) Tetrahydrofuran	5.12	42	186684	267.301	ug/l	100
30) Chloroform	5.21	83	151930	53.234	ug/l	97
31) Cyclohexane	5.57	56	266096	122.827	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	130772	53.488	ug/l	99
36) 1,1-Dichloropropene	5.79	75	100726	45.924	ug/l	98
37) Ethyl Acetate	4.83	43	110552	50.249	ug/l	99
38) Carbon Tetrachloride	5.78	117	113255	51.324	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	171124	65.821	ug/l	98
40) Benzene	6.13	78	355054	54.247	ug/l	99
41) Methacrylonitrile	5.04	41	63279	52.666	ug/l	97
42) 1,2-Dichloroethane	6.18	62	120708	54.540	ug/l	96
43) Isopropyl Acetate	6.44	43	184690	52.507	ug/l	99
44) Trichloroethene	7.21	130	88245	44.543	ug/l	99
45) 1,2-Dichloropropane	7.51	63	81846	48.285	ug/l	100
46) Dibromomethane	7.66	93	59711	48.254	ug/l	97
47) Bromodichloromethane	7.90	83	113436	54.145	ug/l	98
48) Methyl methacrylate	7.77	41	94757	57.243	ug/l	97
49) 1,4-Dioxane	7.74	88	38949	811.609	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	608087	267.879	ug/l	99
52) Toluene	8.78	92	205103	47.396	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	120178	49.298	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	126784	51.806	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	89992	50.579	ug/l	99
56) Ethyl methacrylate	9.18	69	136531	53.847	ug/l	98
57) 1,3-Dichloropropane	9.37	76	141593	50.320	ug/l	99
59) 2-Hexanone	9.49	43	461205	262.307	ug/l	98
60) Dibromochloromethane	9.58	129	97045	53.274	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95812	49.843	ug/l	99
64) Tetrachloroethene	9.34	164	79233	40.360	ug/l	96
65) Chlorobenzene	10.13	112	234048	47.221	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	89529	52.761	ug/l	98
67) Ethyl Benzene	10.25	91	1878203	226.267	ug/l	99
68) m/p-Xylenes	10.35	106	340195	105.955	ug/l	96
69) o-Xylene	10.69	106	155242	49.210	ug/l	97
70) Styrene	10.71	104	260541	49.913	ug/l	97
71) Bromoform	10.85	173	72980	48.209	ug/l	# 99
73) Isopropylbenzene	11.02	105	558974	66.127	ug/l	99
74) N-amyl acetate	10.90	43	164779	53.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	140502	49.877	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	119352m	53.026	ug/l	
77) Bromobenzene	11.25	156	113301	48.337	ug/l	96
78) n-propylbenzene	11.36	91	640204	68.105	ug/l	99
79) 2-Chlorotoluene	11.42	91	275051	49.091	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	341579	48.272	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	39420	47.059	ug/l	97
82) 4-Chlorotoluene	11.51	91	316752	48.509	ug/l	97
83) tert-Butylbenzene	11.77	119	344146	49.588	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1368420	194.236	ug/l	100
85) sec-Butylbenzene	11.94	105	413949	49.645	ug/l	100
86) p-Isopropyltoluene	12.06	119	372525	48.564	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	195600	47.228	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	197279	46.194	ug/l	98
89) n-Butylbenzene	12.38	91	322339	48.775	ug/l	98
90) Hexachloroethane	12.59	117	64969	57.288	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	199256	47.882	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31245	57.250	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	136358	49.410	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	63741	45.524	ug/l	98
95) Naphthalene	13.83	128	958962	118.823	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137995	49.185	ug/l	99

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

