

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009600.D
 Acq On : 16 May 2019 12:27
 Operator : JC/SP
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:09:01 PM

Quant Time: May 17 06:52:35 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	165015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	260134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108490	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.50	113	80741	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	8.71	98	315891	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	116252	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25561	16.809	ug/l	97
3) Chloromethane	1.32	50	39778	19.160	ug/l	99
4) Vinyl Chloride	1.41	62	39474	19.499	ug/l	94
5) Bromomethane	1.64	94	24861	20.460	ug/l	98
6) Chloroethane	1.72	64	24921	19.174	ug/l	99
7) Trichlorofluoromethane	1.93	101	49039	19.928	ug/l	96
8) Diethyl Ether	2.19	74	22944	19.684	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30119	19.491	ug/l	99
10) Methyl Iodide	2.51	142	33597	21.587	ug/l	100
11) Tert butyl alcohol	3.04	59	52942	101.532	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30558	19.736	ug/l	96
13) Acrolein	2.29	56	28330	59.992	ug/l	98
14) Allyl chloride	2.73	41	74352	19.705	ug/l	98
15) Acrylonitrile	3.14	53	131027	102.771	ug/l	99
16) Acetone	2.45	43	121641	100.564	ug/l	99
17) Carbon Disulfide	2.57	76	80053	18.416	ug/l	98
18) Methyl Acetate	2.78	43	59544	20.699	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	120849	20.100	ug/l	98
20) Methylene Chloride	2.85	84	37312	19.051	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	33000	19.653	ug/l	97
22) Diisopropyl ether	3.85	45	147088	20.270	ug/l	93
23) Vinyl Acetate	3.82	43	650321	104.658	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71070	19.854	ug/l	98
25) 2-Butanone	4.67	43	197117	104.868	ug/l	99
26) 2,2-Dichloropropane	4.59	77	50920	19.111	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	39485	19.701	ug/l	99
28) Bromochloromethane	5.01	49	27162	17.043	ug/l	99
29) Tetrahydrofuran	5.13	42	127626	105.515	ug/l	99
30) Chloroform	5.21	83	66616	20.576	ug/l	100
31) Cyclohexane	5.58	56	65553	19.683	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	53880	19.992	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48526	20.073	ug/l	99
37) Ethyl Acetate	4.84	43	72584	21.550	ug/l	99
38) Carbon Tetrachloride	5.78	117	44090	20.074	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59103	19.908	ug/l	99
40) Benzene	6.15	78	152640	20.402	ug/l	96
41) Methacrylonitrile	5.04	41	40814	20.356	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56587	21.085	ug/l	99
43) Isopropyl Acetate	6.45	43	111293	20.657	ug/l	100
44) Trichloroethene	7.21	130	36173	19.999	ug/l	100
45) 1,2-Dichloropropane	7.51	63	44102	20.818	ug/l	100
46) Dibromomethane	7.66	93	25035	20.350	ug/l	99
47) Bromodichloromethane	7.90	83	49910	20.338	ug/l	96
48) Methyl methacrylate	7.77	41	56241	21.041	ug/l	98
49) 1,4-Dioxane	7.74	88	22403	413.284	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	377679	107.249	ug/l	100
52) Toluene	8.79	92	93109	20.473	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	55495	20.030	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61999	20.218	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	38740	20.880	ug/l	98
56) Ethyl methacrylate	9.18	69	67770	20.462	ug/l	99
57) 1,3-Dichloropropane	9.37	76	67439	20.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	159270	90.648	ug/l	99
59) 2-Hexanone	9.49	43	295641	106.894	ug/l	98
60) Dibromochloromethane	9.58	129	37112	20.480	ug/l	99
61) 1,2-Dibromoethane	9.67	107	38565	20.591	ug/l	100
64) Tetrachloroethene	9.34	164	33099	20.532	ug/l	98
65) Chlorobenzene	10.14	112	95770	20.371	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	34248	20.093	ug/l	98
67) Ethyl Benzene	10.25	91	177248	20.486	ug/l	98
68) m/p-Xylenes	10.36	106	129141	40.844	ug/l	98
69) o-Xylene	10.70	106	64056	20.533	ug/l	100
70) Styrene	10.71	104	109551	20.205	ug/l	99
71) Bromoform	10.85	173	27283	19.697	ug/l #	100
73) Isopropylbenzene	11.02	105	169912	20.163	ug/l	100
74) N-amyl acetate	10.90	43	99013	20.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	64361	20.488	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	55326m	20.582	ug/l	
77) Bromobenzene	11.26	156	42241	20.196	ug/l	99
78) n-propylbenzene	11.36	91	194687	20.230	ug/l	100
79) 2-Chlorotoluene	11.42	91	116334	19.593	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	143060	20.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19592	18.649	ug/l	89
82) 4-Chlorotoluene	11.51	91	133903	19.963	ug/l	99
83) tert-Butylbenzene	11.77	119	137324	19.895	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	144992	20.358	ug/l	100
85) sec-Butylbenzene	11.94	105	163847	20.022	ug/l	100
86) p-Isopropyltoluene	12.06	119	148514	20.188	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	74152	19.887	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75249	20.018	ug/l	99
89) n-Butylbenzene	12.38	91	132125	19.871	ug/l	99
90) Hexachloroethane	12.60	117	24252	19.350	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	76386	20.114	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15096	21.422	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	51949	20.003	ug/l	98
94) Hexachlorobutadiene	13.78	225	26291	19.824	ug/l	97
95) Naphthalene	13.83	128	172629	20.431	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54453	20.685	ug/l	100

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

