

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009603.D
 Acq On : 16 May 2019 13:37
 Operator : JC/SP
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:09:21 PM

Quant Time: May 17 06:57:51 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	159996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	254153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108021	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	5.50	113	79087	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	8.71	98	313344	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.13	95	114430	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25305	17.163	ug/l	97
3) Chloromethane	1.32	50	40341	20.041	ug/l	100
4) Vinyl Chloride	1.41	62	39332	20.038	ug/l	96
5) Bromomethane	1.64	94	25135	21.335	ug/l	98
6) Chloroethane	1.72	64	24928	19.781	ug/l	99
7) Trichlorofluoromethane	1.93	101	49814	20.878	ug/l	98
8) Diethyl Ether	2.19	74	23311	20.626	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30623	20.438	ug/l	99
10) Methyl Iodide	2.51	142	33307	21.968	ug/l	99
11) Tert butyl alcohol	3.05	59	54550	107.897	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30201	20.118	ug/l	95
13) Acrolein	2.29	56	27973	61.095	ug/l	99
14) Allyl chloride	2.73	41	73012	19.957	ug/l	98
15) Acrylonitrile	3.14	53	132229	106.967	ug/l	99
16) Acetone	2.45	43	119514	101.905	ug/l	99
17) Carbon Disulfide	2.57	76	80490	19.097	ug/l	99
18) Methyl Acetate	2.78	43	58419	20.945	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	119006	20.414	ug/l	99
20) Methylene Chloride	2.86	84	37580	19.790	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	32958	20.243	ug/l	95
22) Diisopropyl ether	3.85	45	148479	21.104	ug/l	96
23) Vinyl Acetate	3.81	43	647384	107.454	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70700	20.370	ug/l	99
25) 2-Butanone	4.67	43	196489	107.814	ug/l	98
26) 2,2-Dichloropropane	4.58	77	48643	18.829	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	39240	20.192	ug/l	100
28) Bromochloromethane	5.01	49	27120	17.637	ug/l	98
29) Tetrahydrofuran	5.13	42	129598	110.507	ug/l	99
30) Chloroform	5.21	83	64774	20.634	ug/l	97
31) Cyclohexane	5.59	56	64946	20.113	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	53545	20.490	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47567	20.139	ug/l	99
37) Ethyl Acetate	4.84	43	72859	22.140	ug/l	99
38) Carbon Tetrachloride	5.79	117	44408	20.694	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57728	19.902	ug/l	98
40) Benzene	6.14	78	150792	20.629	ug/l	100
41) Methacrylonitrile	5.04	41	41730	21.303	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56366	21.497	ug/l	99
43) Isopropyl Acetate	6.45	43	111362	21.156	ug/l	100
44) Trichloroethene	7.21	130	35771	20.243	ug/l	99
45) 1,2-Dichloropropane	7.51	63	43361	20.950	ug/l	99
46) Dibromomethane	7.66	93	24978	20.781	ug/l	99
47) Bromodichloromethane	7.90	83	49380	20.596	ug/l	99
48) Methyl methacrylate	7.77	41	56574	21.663	ug/l	98
49) 1,4-Dioxane	7.74	88	23254	439.079	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	383703	111.524	ug/l	98
52) Toluene	8.79	92	92348	20.784	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54156	20.007	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61026	20.369	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38769	21.387	ug/l	98
56) Ethyl methacrylate	9.18	69	67641	20.904	ug/l	99
57) 1,3-Dichloropropane	9.37	76	66863	20.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	159465	92.895	ug/l	100
59) 2-Hexanone	9.49	43	298373	110.421	ug/l	98
60) Dibromochloromethane	9.58	129	36666	20.710	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39192	21.418	ug/l	98
64) Tetrachloroethene	9.34	164	32764	20.589	ug/l	98
65) Chlorobenzene	10.13	112	96716	20.841	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	34714	20.633	ug/l	99
67) Ethyl Benzene	10.25	91	176811	20.702	ug/l	100
68) m/p-Xylenes	10.36	106	128888	41.296	ug/l	98
69) o-Xylene	10.69	106	62843	20.408	ug/l	99
70) Styrene	10.71	104	109964	20.545	ug/l	99
71) Bromoform	10.85	173	27419	20.054	ug/l #	100
73) Isopropylbenzene	11.02	105	169164	20.652	ug/l	100
74) N-amyl acetate	10.90	43	98454	20.617	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	65485	21.446	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56796m	21.737	ug/l	
77) Bromobenzene	11.25	156	41920	20.619	ug/l	100
78) n-propylbenzene	11.36	91	193938	20.732	ug/l	100
79) 2-Chlorotoluene	11.42	91	116005	20.100	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	143161	20.757	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20342	19.920	ug/l	94
82) 4-Chlorotoluene	11.51	91	133303	20.446	ug/l	100
83) tert-Butylbenzene	11.77	119	137405	20.480	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	143998	20.801	ug/l	100
85) sec-Butylbenzene	11.94	105	161553	20.310	ug/l	100
86) p-Isopropyltoluene	12.06	119	146984	20.555	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73648	20.321	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	74198	20.306	ug/l	98
89) n-Butylbenzene	12.38	91	129098	19.974	ug/l	100
90) Hexachloroethane	12.59	117	23772	19.513	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	75091	20.342	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15016	21.922	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51992	20.596	ug/l	99
94) Hexachlorobutadiene	13.78	225	26563	20.606	ug/l	98
95) Naphthalene	13.83	128	174189	21.210	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	54483	21.292	ug/l	99

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

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