

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041019\
 Data File : VX008812.D
 Acq On : 10 Apr 2019 17:52
 Operator : JC/SP
 Sample : VX0410WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:48:25 AM

Quant Time: Apr 11 07:56:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	172866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113072	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	121669	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
35) Dibromofluoromethane	5.50	113	89226	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.71	98	358197	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.13	95	125986	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	30269	15.212	ug/l	98
3) Chloromethane	1.32	50	43685	16.792	ug/l	98
4) Vinyl Chloride	1.40	62	42154	15.671	ug/l	99
5) Bromomethane	1.64	94	22375	18.134	ug/l	100
6) Chloroethane	1.72	64	26617	16.064	ug/l	100
7) Trichlorofluoromethane	1.93	101	49644	16.696	ug/l	99
8) Diethyl Ether	2.19	74	23742	16.837	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32518	16.986	ug/l	99
10) Methyl Iodide	2.51	142	27084	18.293	ug/l	98
11) Tert butyl alcohol	3.04	59	51291	86.893	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33466	16.746	ug/l	98
13) Acrolein	2.29	56	34745	118.708	ug/l	99
14) Allyl chloride	2.73	41	78345	17.125	ug/l	99
15) Acrylonitrile	3.14	53	137426	87.882	ug/l	100
16) Acetone	2.44	43	119820	82.508	ug/l	99
17) Carbon Disulfide	2.57	76	92750	15.562	ug/l	99
18) Methyl Acetate	2.77	43	63296	17.971	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	128691	18.031	ug/l	99
20) Methylene Chloride	2.85	84	41785	17.189	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	35621	16.478	ug/l	96
22) Diisopropyl ether	3.85	45	160286	18.177	ug/l	91
23) Vinyl Acetate	3.81	43	692109	90.224	ug/l	99
24) 1,1-Dichloroethane	3.70	63	77211	17.685	ug/l	98
25) 2-Butanone	4.67	43	203123	88.496	ug/l	99
26) 2,2-Dichloropropane	4.59	77	49772	16.186	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	43553	17.524	ug/l	99
28) Bromochloromethane	5.01	49	37209	18.496	ug/l	99
29) Tetrahydrofuran	5.13	42	134273	88.139	ug/l	100
30) Chloroform	5.21	83	69996	17.950	ug/l	100
31) Cyclohexane	5.58	56	72080	16.546	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	55333	17.560	ug/l	98
36) 1,1-Dichloropropene	5.80	75	53926	17.208	ug/l	99
37) Ethyl Acetate	4.84	43	76767	18.352	ug/l	99
38) Carbon Tetrachloride	5.79	117	45584	17.574	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	63288	16.348	ug/l	98
40) Benzene	6.14	78	165859	17.765	ug/l	99
41) Methacrylonitrile	5.04	41	43404	18.052	ug/l	99
42) 1,2-Dichloroethane	6.20	62	60058	17.944	ug/l	99
43) Isopropyl Acetate	6.45	43	119263	18.200	ug/l	99
44) Trichloroethene	7.21	130	38381	17.651	ug/l	97
45) 1,2-Dichloropropane	7.51	63	47421	17.796	ug/l	97
46) Dibromomethane	7.66	93	26193	16.948	ug/l	97
47) Bromodichloromethane	7.90	83	52206	17.915	ug/l	100
48) Methyl methacrylate	7.77	41	60019	18.107	ug/l	99
49) 1,4-Dioxane	7.74	88	20885	336.346	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	398052	94.364	ug/l	100
52) Toluene	8.79	92	98468	17.890	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57847	17.721	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	64364	17.256	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	40726	18.433	ug/l	97
56) Ethyl methacrylate	9.18	69	73791	18.459	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71808	18.100	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	205361	100.608	ug/l	100
59) 2-Hexanone	9.49	43	300147	91.559	ug/l	100
60) Dibromochloromethane	9.58	129	37866	18.188	ug/l	100
61) 1,2-Dibromoethane	9.67	107	40122	17.444	ug/l	96
64) Tetrachloroethene	9.34	164	34221	18.286	ug/l	99
65) Chlorobenzene	10.13	112	101122	18.060	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	35786	18.218	ug/l	99
67) Ethyl Benzene	10.25	91	183866	17.610	ug/l	99
68) m/p-Xylenes	10.36	106	132550	35.309	ug/l	99
69) o-Xylene	10.70	106	65210	17.924	ug/l	98
70) Styrene	10.71	104	112793	17.986	ug/l	99
71) Bromoform	10.85	173	27619	18.410	ug/l #	97
73) Isopropylbenzene	11.02	105	173733	18.540	ug/l	100
74) N-amyl acetate	10.90	43	101526	18.415	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	65923	18.498	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	57235m	18.426	ug/l	
77) Bromobenzene	11.26	156	41714	18.517	ug/l	99
78) n-propylbenzene	11.36	91	196598	18.019	ug/l	100
79) 2-Chlorotoluene	11.42	91	119616	18.116	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	147200	18.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19992	17.742	ug/l	93
82) 4-Chlorotoluene	11.51	91	134090	17.544	ug/l	98
83) tert-Butylbenzene	11.77	119	138670	18.324	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	146707	18.420	ug/l	100
85) sec-Butylbenzene	11.94	105	165218	18.380	ug/l	99
86) p-Isopropyltoluene	12.06	119	149150	18.487	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	71745	17.790	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	72104	17.656	ug/l	99
89) n-Butylbenzene	12.38	91	134905	17.830	ug/l	99
90) Hexachloroethane	12.60	117	24252	18.124	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	72199	18.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13825	17.635	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	48445	17.401	ug/l	98
94) Hexachlorobutadiene	13.78	225	24677	18.482	ug/l	98
95) Naphthalene	13.83	128	167319	17.982	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	49909	17.942	ug/l	99

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

