

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004168.D
 Acq On : 21 Aug 2018 11:52
 Operator : JC/MD
 Sample : VX0821WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:16:49 AM

Quant Time: Aug 22 01:12:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	310987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	437514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	423825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	246183	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	195934	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	
35) Dibromofluoromethane	5.50	113	165306	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	636516	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.13	95	229479	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	60724	20.06	ug/l	98
3) Chloromethane	1.32	50	74782	20.13	ug/l	100
4) Vinyl Chloride	1.40	62	81054	20.17	ug/l	98
5) Bromomethane	1.64	94	43768	21.39	ug/l	98
6) Chloroethane	1.72	64	57344	20.64	ug/l	99
7) Trichlorofluoromethane	1.93	101	114685	20.34	ug/l	97
8) Diethyl Ether	2.18	74	49482	20.10	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	73671	20.94	ug/l	99
10) Methyl Iodide	2.51	142	56402	18.52	ug/l	99
11) Tert butyl alcohol	3.06	59	83336	94.45	ug/l	99
12) 1,1-Dichloroethene	2.37	96	66947	20.46	ug/l	96
13) Acrolein	2.29	56	51277	92.85	ug/l	98
14) Allyl chloride	2.73	41	124526	20.00	ug/l	96
15) Acrylonitrile	3.14	53	217961	99.07	ug/l	99
16) Acetone	2.44	43	245946	107.96	ug/l	99
17) Carbon Disulfide	2.57	76	174268	18.78	ug/l	99
18) Methyl Acetate	2.78	43	110543	21.84	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	235796	20.46	ug/l	99
20) Methylene Chloride	2.86	84	79220	20.92	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	73860	19.88	ug/l	100
22) Diisopropyl ether	3.87	45	246217	20.19	ug/l	99
23) Vinyl Acetate	3.82	43	1024152	102.22	ug/l	99
24) 1,1-Dichloroethane	3.69	63	141207	20.44	ug/l	99
25) 2-Butanone	4.70	43	355809	95.99	ug/l	99
26) 2,2-Dichloropropane	4.57	77	111677	20.33	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	84261	20.17	ug/l	98
28) Bromochloromethane	5.01	49	61017	19.25	ug/l	100
29) Tetrahydrofuran	5.15	42	174201	91.99	ug/l	99
30) Chloroform	5.21	83	141139	20.93	ug/l	99
31) Cyclohexane	5.57	56	118010	19.48	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	117841	20.91	ug/l	99
36) 1,1-Dichloropropene	5.79	75	106232	21.34	ug/l	99
37) Ethyl Acetate	4.85	43	105378	19.44	ug/l	99
38) Carbon Tetrachloride	5.78	117	102351	21.16	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	120520	21.34	ug/l	99
40) Benzene	6.14	78	322514	21.57	ug/l	100
41) Methacrylonitrile	5.05	41	59947	19.74	ug/l	99
42) 1,2-Dichloroethane	6.19	62	110300	21.08	ug/l	100
43) Isopropyl Acetate	6.46	43	159469	19.96	ug/l	99
44) Trichloroethene	7.21	130	87067	21.45	ug/l	92
45) 1,2-Dichloropropane	7.51	63	80841	21.12	ug/l	99
46) Dibromomethane	7.66	93	53638	21.45	ug/l	99
47) Bromodichloromethane	7.90	83	100911	21.30	ug/l	98
48) Methyl methacrylate	7.77	41	83650	20.79	ug/l	98
49) 1,4-Dioxane	7.75	88	36453	402.48	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	698087	106.54	ug/l	99
52) Toluene	8.78	92	208645	22.07	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	111823	21.85	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	124343	21.94	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	82952	21.25	ug/l	99
56) Ethyl methacrylate	9.18	69	113268	21.33	ug/l	99
57) 1,3-Dichloropropane	9.37	76	139322	21.51	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	303783	112.37	ug/l	100
59) 2-Hexanone	9.49	43	529915	107.46	ug/l	99
60) Dibromochloromethane	9.59	129	80343	21.38	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85138	21.39	ug/l	100
64) Tetrachloroethene	9.34	164	83068	20.68	ug/l	95
65) Chlorobenzene	10.14	112	229812	20.99	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	80799	21.64	ug/l	99
67) Ethyl Benzene	10.25	91	384701	22.19	ug/l	98
68) m/p-Xylenes	10.36	106	310335	45.71	ug/l	97
69) o-Xylene	10.70	106	140965	21.73	ug/l	94
70) Styrene	10.71	104	240471	22.02	ug/l	98
71) Bromoform	10.86	173	58230	19.67	ug/l #	100
73) Isopropylbenzene	11.02	105	381737	22.91	ug/l	97
74) N-amyl acetate	6.46	43	159469	20.35	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	126242	21.70	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	116456m	23.59	ug/l	
77) Bromobenzene	11.26	156	104229	22.70	ug/l	100
78) n-propylbenzene	11.36	91	446460	23.95	ug/l	99
79) 2-Chlorotoluene	11.42	91	269456	23.72	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	308181	22.59	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32908	20.63	ug/l	97
82) 4-Chlorotoluene	11.51	91	310930	23.15	ug/l	100
83) tert-Butylbenzene	11.77	119	312616	22.73	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	336608	23.83	ug/l	99
85) sec-Butylbenzene	11.94	105	388549	24.14	ug/l	100
86) p-Isopropyltoluene	12.07	119	352879	24.21	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	192614	21.99	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	200257	22.21	ug/l	99
89) n-Butylbenzene	12.39	91	294132	25.61	ug/l	99
90) Hexachloroethane	12.60	117	49038	22.49	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	195825	24.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22674	22.17	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126329	23.39	ug/l	97
94) Hexachlorobutadiene	13.78	225	60134	22.22	ug/l	99
95) Naphthalene	13.83	128	365969	21.92	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130778	22.21	ug/l	97

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

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