

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003690.D
 Acq On : 27 Jul 2018 01:06
 Operator : JC/SP
 Sample : VX0726WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:40:52 PM

Quant Time: Jul 27 06:54:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	109143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	163034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	152579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	90272	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	80635	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	5.51	113	66661	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	8.72	98	249271	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.14	95	90091	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	22231	17.88	ug/l	98
3) Chloromethane	1.32	50	30730	18.77	ug/l	99
4) Vinyl Chloride	1.40	62	32905	19.65	ug/l	99
5) Bromomethane	1.64	94	19590	24.22	ug/l	94
6) Chloroethane	1.72	64	24753	21.04	ug/l	94
7) Trichlorofluoromethane	1.93	101	43432	20.15	ug/l	97
8) Diethyl Ether	2.19	74	19128	20.25	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	26097	19.67	ug/l	99
10) Methyl Iodide	2.51	142	34811	21.40	ug/l	99
11) Tert butyl alcohol	3.08	59	39349	101.82	ug/l	100
12) 1,1-Dichloroethene	2.37	96	25023	19.82	ug/l	93
13) Acrolein	2.29	56	19603	102.73	ug/l	97
14) Allyl chloride	2.73	41	50451	19.17	ug/l	99
15) Acrylonitrile	3.15	53	93202	99.81	ug/l	100
16) Acetone	2.45	43	77927	102.60	ug/l	97
17) Carbon Disulfide	2.57	76	69458	19.13	ug/l	99
18) Methyl Acetate	2.78	43	47986	20.92	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	91014	20.41	ug/l	98
20) Methylene Chloride	2.86	84	29831	19.82	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	27168	20.01	ug/l	95
22) Diisopropyl ether	3.88	45	90967	18.93	ug/l	92
23) Vinyl Acetate	3.83	43	394404	95.82	ug/l	100
24) 1,1-Dichloroethane	3.70	63	54318	20.06	ug/l	99
25) 2-Butanone	4.71	43	117854	100.44	ug/l	99
26) 2,2-Dichloropropane	4.59	77	23723	13.85	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	29156	19.78	ug/l	98
28) Bromochloromethane	5.02	49	20004	18.41	ug/l	97
29) Tetrahydrofuran	5.17	42	75767	99.20	ug/l	98
30) Chloroform	5.22	83	49462	20.14	ug/l	100
31) Cyclohexane	5.58	56	42825	19.70	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	41742	20.46	ug/l	98
36) 1,1-Dichloropropene	5.80	75	36628	19.22	ug/l	99
37) Ethyl Acetate	4.87	43	43375	18.93	ug/l	99
38) Carbon Tetrachloride	5.79	117	35985	19.59	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	40103	19.12	ug/l	99
40) Benzene	6.15	78	113066	20.05	ug/l	99
41) Methacrylonitrile	5.07	41	24657	19.43	ug/l	98
42) 1,2-Dichloroethane	6.20	62	39801	20.05	ug/l	100
43) Isopropyl Acetate	6.47	43	65377	19.56	ug/l	100
44) Trichloroethene	7.22	130	28798	19.05	ug/l	98
45) 1,2-Dichloropropane	7.52	63	30365	20.83	ug/l	99
46) Dibromomethane	7.67	93	19052	20.34	ug/l	99
47) Bromodichloromethane	7.90	83	34833	19.84	ug/l	100
48) Methyl methacrylate	7.78	41	33356	19.66	ug/l	98
49) 1,4-Dioxane	7.76	88	15065	398.06	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	225368	99.92	ug/l	98
52) Toluene	8.79	92	69432	19.81	ug/l	99
53) t-1,3-Dichloropropene	9.05	75	36049	18.54	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	40102	18.75	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	28685	20.02	ug/l	98
56) Ethyl methacrylate	9.18	69	41835	19.62	ug/l	98
57) 1,3-Dichloropropane	9.38	76	48333	20.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	109547	102.24	ug/l	99
59) 2-Hexanone	9.50	43	172508	99.70	ug/l	99
60) Dibromochloromethane	9.59	129	27046	19.90	ug/l	100
61) 1,2-Dibromoethane	9.68	107	29710	19.91	ug/l	100
64) Tetrachloroethene	9.34	164	27519	19.73	ug/l	99
65) Chlorobenzene	10.14	112	76331	19.88	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	26859	20.12	ug/l	99
67) Ethyl Benzene	10.26	91	127838	19.89	ug/l	99
68) m/p-Xylenes	10.36	106	99697	40.43	ug/l	98
69) o-Xylene	10.70	106	48089	20.26	ug/l	100
70) Styrene	10.71	104	80572	20.21	ug/l	99
71) Bromoform	10.86	173	20337	19.27	ug/l #	99
73) Isopropylbenzene	11.02	105	129107	20.93	ug/l	99
74) N-amyl acetate	6.47	43	65377	20.32	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	45586	20.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	39157m	20.68	ug/l	
77) Bromobenzene	11.26	156	34528	20.61	ug/l	99
78) n-propylbenzene	11.36	91	150530	21.14	ug/l	99
79) 2-Chlorotoluene	11.42	91	90531	20.91	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	109913	21.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	10647	17.42	ug/l	92
82) 4-Chlorotoluene	11.51	91	106680	20.92	ug/l	99
83) tert-Butylbenzene	11.77	119	105217	20.61	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	113511	21.17	ug/l	99
85) sec-Butylbenzene	11.95	105	126123	20.70	ug/l	99
86) p-Isopropyltoluene	12.07	119	112103	20.49	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	63149	20.24	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	64656	19.93	ug/l	99
89) n-Butylbenzene	12.39	91	96034	19.48	ug/l	99
90) Hexachloroethane	12.60	117	17307	20.89	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	63648	19.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	9384	19.79	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	43971	19.33	ug/l	100
94) Hexachlorobutadiene	13.79	225	19976	18.98	ug/l	99
95) Naphthalene	13.83	128	137595	20.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	45968	19.90	ug/l	100

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

