

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003361.D
 Acq On : 13 Jul 2018 11:59
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:39 AM

Quant Time: Jul 13 14:45:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:52:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	21177	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
35) Dibromofluoromethane	5.51	113	17499	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
50) Toluene-d8	8.72	98	62057	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
62) 4-Bromofluorobenzene	11.14	95	20016	3.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	13434	3.43	ug/l	95
3) Chloromethane	1.32	50	16594	4.66	ug/l	97
4) Vinyl Chloride	1.40	62	17883	4.89	ug/l	99
5) Bromomethane	1.64	94	9108	6.29	ug/l	96
6) Chloroethane	1.71	64	12080	5.96	ug/l	100
7) Trichlorofluoromethane	1.92	101	26832	4.93	ug/l	93
8) Diethyl Ether	2.19	74	11291	5.74	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	16854	5.29	ug/l	98
10) Methyl Iodide	2.51	142	12358	3.92	ug/l	93
11) Tert butyl alcohol	3.08	59	21334	29.00	ug/l	98
12) 1,1-Dichloroethene	2.37	96	15518	5.35	ug/l	88
13) Acrolein	2.29	56	12188	20.56	ug/l	97
14) Allyl chloride	2.73	41	29038	5.41	ug/l	88
15) Acrylonitrile	3.15	53	50662	30.84	ug/l	98
16) Acetone	2.45	43	40285	27.96	ug/l #	85
17) Carbon Disulfide	2.57	76	37767	4.69	ug/l	99
18) Methyl Acetate	2.78	43	22644	5.57	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	55252	5.71	ug/l	98
20) Methylene Chloride	2.86	84	19576	6.01	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	17012	5.51	ug/l	93
22) Diisopropyl ether	3.87	45	53287	4.88	ug/l	96
23) Vinyl Acetate	3.82	43	217136	23.42	ug/l	96
24) 1,1-Dichloroethane	3.70	63	32508	5.72	ug/l	99
25) 2-Butanone	4.71	43	59177	23.21	ug/l #	88
26) 2,2-Dichloropropane	4.58	77	21618	4.35	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	17694	4.66	ug/l	20
28) Bromochloromethane	5.02	49	13562	4.74	ug/l	93
29) Tetrahydrofuran	5.17	42	36282	21.93	ug/l	93
30) Chloroform	5.21	83	28341	4.53	ug/l	96
31) Cyclohexane	5.58	56	22814	4.29	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	23743	4.30	ug/l	98
36) 1,1-Dichloropropene	5.80	75	20515	3.93	ug/l	99
37) Ethyl Acetate	4.86	43	22769	3.98	ug/l	97
38) Carbon Tetrachloride	5.78	117	20067	3.51	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	21956	3.57	ug/l	90
40) Benzene	6.14	78	63528	4.10	ug/l	100
41) Methacrylonitrile	5.07	41	12321	3.93	ug/l	94
42) 1,2-Dichloroethane	6.20	62	22700	3.92	ug/l	97
43) Isopropyl Acetate	6.47	43	33877	3.77	ug/l	95
44) Trichloroethene	7.21	130	17557	3.83	ug/l	97
45) 1,2-Dichloropropane	7.52	63	16626	4.13	ug/l	98
46) Dibromomethane	7.67	93	10877	3.96	ug/l	98
47) Bromodichloromethane	7.90	83	19203	3.79	ug/l	99
48) Methyl methacrylate	7.78	41	16992	3.68	ug/l	91
49) 1,4-Dioxane	7.76	88	7397	76.69	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	112751	20.14	ug/l	96
52) Toluene	8.79	92	39942	4.08	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	21704	3.64	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	19534	3.60	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	16765	4.13	ug/l	96
56) Ethyl methacrylate	9.18	69	21776	3.92	ug/l #	88
57) 1,3-Dichloropropane	9.38	76	27681	4.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	54232	20.22	ug/l	98
59) 2-Hexanone	9.50	43	84396	19.84	ug/l	95
60) Dibromochloromethane	9.59	129	14619	3.45	ug/l	98
61) 1,2-Dibromoethane	9.68	107	16526	3.88	ug/l	100
64) Tetrachloroethene	9.34	164	20600	3.88	ug/l	93
65) Chlorobenzene	10.14	112	46468	3.89	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	15435	3.58	ug/l	98
67) Ethyl Benzene	10.26	91	70936	3.67	ug/l	99
68) m/p-Xylenes	10.36	106	53938	7.18	ug/l	100
69) o-Xylene	10.70	106	25964	3.57	ug/l	97
70) Styrene	10.71	104	42438	3.60	ug/l	99
71) Bromoform	10.86	173	10880	3.07	ug/l #	97
73) Isopropylbenzene	11.02	105	71200	4.37	ug/l	99
74) N-amyl acetate	6.47	43	33877	4.36	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	23706	4.69	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	20828m	4.67	ug/l	
77) Bromobenzene	11.26	156	20368	4.33	ug/l	99
78) n-propylbenzene	11.36	91	77742	4.29	ug/l	100
79) 2-Chlorotoluene	11.42	91	49741	4.51	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	58106	4.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	5184	3.80	ug/l	93
82) 4-Chlorotoluene	11.51	91	56730	4.41	ug/l	99
83) tert-Butylbenzene	11.77	119	57232	4.23	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	60521	4.36	ug/l	99
85) sec-Butylbenzene	11.95	105	71502	4.47	ug/l	100
86) p-Isopropyltoluene	12.07	119	60037	4.12	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	38229	4.43	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	39349	4.51	ug/l	96
89) n-Butylbenzene	12.39	91	50632	4.16	ug/l	99
90) Hexachloroethane	12.60	117	8690	3.90	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	38698	4.47	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4496	4.15	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	26479	4.20	ug/l	97
94) Hexachlorobutadiene	13.79	225	12864	4.10	ug/l	99
95) Naphthalene	13.83	128	70018	4.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	25851	4.11	ug/l	99

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

