

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002858.D
 Acq On : 25 Jun 2018 11:47
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 2:26:25 PM

Quant Time: Jun 25 12:51:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 12:41:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	61612	18.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.60%	
35) Dibromofluoromethane	5.51	113	47275	19.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.78%	
50) Toluene-d8	8.72	98	175749	18.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.96%	
62) 4-Bromofluorobenzene	11.14	95	63837	18.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31765	13.50	ug/l	98
3) Chloromethane	1.32	50	36255	12.96	ug/l	98
4) Vinyl Chloride	1.40	62	38830	13.37	ug/l	94
5) Bromomethane	1.64	94	22981	13.12	ug/l	98
6) Chloroethane	1.73	64	26302	13.74	ug/l	99
7) Trichlorofluoromethane	1.93	101	66980	14.20	ug/l	100
8) Diethyl Ether	2.19	74	24320	13.55	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	36964	14.02	ug/l	97
10) Methyl Iodide	2.51	142	30394	9.36	ug/l	98
11) Tert butyl alcohol	3.07	59	50560	72.64	ug/l	97
12) 1,1-Dichloroethene	2.37	96	34642	13.99	ug/l	98
13) Acrolein	2.29	56	32035	90.76	ug/l	98
14) Allyl chloride	2.73	41	70100	14.26	ug/l	98
15) Acrylonitrile	3.15	53	107420	70.72	ug/l	99
16) Acetone	2.45	43	108651	73.14	ug/l	99
17) Carbon Disulfide	2.57	76	88880	15.14	ug/l	99
18) Methyl Acetate	2.78	43	62536	15.80	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	126617	13.63	ug/l	98
20) Methylene Chloride	2.86	84	40335	13.24	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	37425	13.93	ug/l	95
22) Diisopropyl ether	3.87	45	127879	14.38	ug/l	94
23) Vinyl Acetate	3.83	43	550627	73.97	ug/l	99
24) 1,1-Dichloroethane	3.70	63	71358	14.78	ug/l	99
25) 2-Butanone	4.71	43	154240	79.06	ug/l	100
26) 2,2-Dichloropropane	4.59	77	56661	16.34	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42453	15.53	ug/l	84
28) Bromochloromethane	5.03	49	27665	12.24	ug/l	95
29) Tetrahydrofuran	5.17	42	95199	74.46	ug/l	96
30) Chloroform	5.22	83	73735	15.84	ug/l	92
31) Cyclohexane	5.57	56	58774	14.79	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	63095	16.21	ug/l	99
36) 1,1-Dichloropropene	5.81	75	51025	15.72	ug/l	99
37) Ethyl Acetate	4.87	43	57615	15.69	ug/l	98
38) Carbon Tetrachloride	5.79	117	55770	17.26	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58844	15.51	ug/l	97
40) Benzene	6.15	78	152910	15.71	ug/l	99
41) Methacrylonitrile	5.07	41	33593	16.20	ug/l	98
42) 1,2-Dichloroethane	6.20	62	63042	16.73	ug/l	100
43) Isopropyl Acetate	6.47	43	92120	15.14	ug/l	98
44) Trichloroethene	7.21	130	45370	16.15	ug/l	97
45) 1,2-Dichloropropane	7.52	63	40778	15.92	ug/l	98
46) Dibromomethane	7.66	93	28595	16.69	ug/l	98
47) Bromodichloromethane	7.90	83	51012	16.88	ug/l #	96
48) Methyl methacrylate	7.78	41	48232	15.51	ug/l	97
49) 1,4-Dioxane	7.76	88	19799	336.18	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	299868	76.74	ug/l	99
52) Toluene	8.79	92	98115	15.81	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	59009	16.60	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	54001	16.40	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	41523	16.55	ug/l	97
56) Ethyl methacrylate	9.18	69	58056	15.04	ug/l	97
57) 1,3-Dichloropropane	9.38	76	68030	16.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	209004	111.95	ug/l	98
59) 2-Hexanone	9.50	43	230302	78.22	ug/l	99
60) Dibromochloromethane	9.59	129	40939	16.91	ug/l	99
61) 1,2-Dibromoethane	9.68	107	42530	16.37	ug/l	100
64) Tetrachloroethene	9.34	164	50048	15.28	ug/l	98
65) Chlorobenzene	10.14	112	113050	15.60	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	41020	16.60	ug/l	100
67) Ethyl Benzene	10.26	91	187076	15.31	ug/l	97
68) m/p-Xylenes	10.36	106	143282	30.39	ug/l	99
69) o-Xylene	10.70	106	70892	15.30	ug/l	98
70) Styrene	10.71	104	112517	14.77	ug/l	99
71) Bromoform	10.86	173	30648	16.51	ug/l #	99
73) Isopropylbenzene	11.02	105	187770	16.01	ug/l	98
74) N-amyl acetate	6.47	43	92120	15.80	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	58698	16.94	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	52362m	15.82	ug/l	
77) Bromobenzene	11.26	156	53162	16.27	ug/l	98
78) n-propylbenzene	11.37	91	214439	15.94	ug/l	100
79) 2-Chlorotoluene	11.42	91	129861	16.17	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	158430	15.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	14125	16.15	ug/l	89
82) 4-Chlorotoluene	11.51	91	151892	16.03	ug/l	99
83) tert-Butylbenzene	11.77	119	155128	16.24	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	163447	16.16	ug/l	98
85) sec-Butylbenzene	11.95	105	186174	15.68	ug/l	99
86) p-Isopropyltoluene	12.07	119	167198	15.56	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	95570	15.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	97908	16.05	ug/l	100
89) n-Butylbenzene	12.39	91	141639	14.94	ug/l	100
90) Hexachloroethane	12.60	117	23433	15.80	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	97539	16.17	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	11916	16.42	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	68484	15.64	ug/l	99
94) Hexachlorobutadiene	13.79	225	34569	14.99	ug/l	99
95) Naphthalene	13.84	128	187662	15.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	70940	16.13	ug/l	100

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

