

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004192.D
 Acq On : 22 Aug 2018 11:15
 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
 8/23/2018 9:39:48 AM

Quant Time: Aug 23 04:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 04:40:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	325042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	468288	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	80521	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	
35) Dibromofluoromethane	5.50	113	68012	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	
50) Toluene-d8	8.71	98	255012	19.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.78%	
62) 4-Bromofluorobenzene	11.14	95	92155	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	82303	21.86	ug/l	98
3) Chloromethane	1.32	50	85871	19.57	ug/l	97
4) Vinyl Chloride	1.40	62	88280	20.73	ug/l	99
5) Bromomethane	1.64	94	46637	18.09	ug/l	94
6) Chloroethane	1.72	64	57964	17.71	ug/l	99
7) Trichlorofluoromethane	1.93	101	116354	19.94	ug/l	94
8) Diethyl Ether	2.19	74	48876	19.56	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	72969	19.96	ug/l	98
10) Methyl Iodide	2.51	142	69354	18.45	ug/l	100
11) Tert butyl alcohol	3.07	59	91461	101.28	ug/l	100
12) 1,1-Dichloroethene	2.37	96	67254	19.53	ug/l	99
13) Acrolein	2.29	56	20895	95.97	ug/l	94
14) Allyl chloride	2.73	41	126425	19.98	ug/l	99
15) Acrylonitrile	3.15	53	216599	96.85	ug/l	99
16) Acetone	2.45	43	183843	91.34	ug/l	100
17) Carbon Disulfide	2.57	76	186554	18.43	ug/l	100
18) Methyl Acetate	2.78	43	129806	20.65	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	223017	19.65	ug/l	97
20) Methylene Chloride	2.86	84	78429	19.23	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	72789	19.10	ug/l	94
22) Diisopropyl ether	3.87	45	227331	19.25	ug/l	99
23) Vinyl Acetate	3.82	43	946043	98.81	ug/l	100
24) 1,1-Dichloroethane	3.70	63	138600	20.13	ug/l	98
25) 2-Butanone	4.70	43	288638	91.81	ug/l	100
26) 2,2-Dichloropropane	4.59	77	109275	20.24	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	84915	19.64	ug/l	100
28) Bromochloromethane	5.02	49	60979	20.01	ug/l	98
29) Tetrahydrofuran	5.16	42	176252	96.83	ug/l	99
30) Chloroform	5.21	83	133897	19.40	ug/l	98
31) Cyclohexane	5.57	56	116275	19.58	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	113025	19.64	ug/l	99
36) 1,1-Dichloropropene	5.80	75	101891	19.35	ug/l	98
37) Ethyl Acetate	4.85	43	103322	19.96	ug/l	99
38) Carbon Tetrachloride	5.78	117	98486	19.89	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	114754	19.09	ug/l	99
40) Benzene	6.14	78	315384	20.05	ug/l	98
41) Methacrylonitrile	5.06	41	58843	19.61	ug/l	99
42) 1,2-Dichloroethane	6.20	62	107566	20.05	ug/l	99
43) Isopropyl Acetate	6.46	43	154721	19.45	ug/l	100
44) Trichloroethene	7.21	130	84461	19.40	ug/l	100
45) 1,2-Dichloropropane	7.52	63	78318	19.89	ug/l	98
46) Dibromomethane	7.67	93	51493	19.64	ug/l	99
47) Bromodichloromethane	7.90	83	96419	19.77	ug/l	99
48) Methyl methacrylate	7.77	41	83134	19.53	ug/l	99
49) 1,4-Dioxane	7.76	88	38493	398.25	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	544816	94.25	ug/l	99
52) Toluene	8.79	92	198595	20.17	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	103897	19.28	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	116581	19.87	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	78369	19.72	ug/l	98
56) Ethyl methacrylate	9.18	69	104326	19.28	ug/l	100
57) 1,3-Dichloropropane	9.37	76	134417	20.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	263638	95.08	ug/l	100
59) 2-Hexanone	9.49	43	413800	93.83	ug/l	99
60) Dibromochloromethane	9.59	129	75038	19.38	ug/l	100
61) 1,2-Dibromoethane	9.67	107	81383	19.78	ug/l	99
64) Tetrachloroethene	9.34	164	79991	19.49	ug/l	99
65) Chlorobenzene	10.14	112	198990	19.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	70626	19.64	ug/l	99
67) Ethyl Benzene	10.25	91	335397	19.80	ug/l	100
68) m/p-Xylenes	10.36	106	265735	40.13	ug/l	100
69) o-Xylene	10.70	106	122157	19.50	ug/l	97
70) Styrene	10.71	104	201562	19.87	ug/l	97
71) Bromoform	10.86	173	53244	18.36	ug/l	99
73) Isopropylbenzene	11.02	105	361633	20.38	ug/l	99
74) N-amyl acetate	10.90	43	131155	19.20	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	120732	19.45	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	112998m	21.19	ug/l	
77) Bromobenzene	11.26	156	94696	19.03	ug/l	96
78) n-propylbenzene	11.36	91	418085	20.49	ug/l	100
79) 2-Chlorotoluene	11.42	91	249133	19.84	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	292990	19.94	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	31504	18.61	ug/l	96
82) 4-Chlorotoluene	11.51	91	293103	19.83	ug/l	99
83) tert-Butylbenzene	11.77	119	294568	19.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	314981	20.89	ug/l	100
85) sec-Butylbenzene	11.94	105	354618	20.21	ug/l	99
86) p-Isopropyltoluene	12.07	119	320810	20.40	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	177754	18.97	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184823	18.76	ug/l	98
89) n-Butylbenzene	12.39	91	250464	19.58	ug/l	97
90) Hexachloroethane	12.60	117	41482	18.87	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	165745	19.35	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20741	18.97	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	112196	18.01	ug/l	98
94) Hexachlorobutadiene	13.79	225	56206	18.37	ug/l	97
95) Naphthalene	13.83	128	340321	19.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126739	19.21	ug/l	98

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

