

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032262.D
 Acq On : 18 Jul 2018 11:16
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:53:06 PM

Quant Time: Jul 18 12:56:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 2018
 QLast Update : Wed Jul 18 09:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1773718	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3812050	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4182192	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3291464	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.13	85	162481	0.64	ppbv	96
3) Chlorodifluoromethane	3.06	51	107094	0.49	ppbv	99
4) Chloromethane	3.22	50	61161	0.49	ppbv	98
5) Vinyl Chloride	3.35	62	57353	0.47	ppbv	91
6) Bromomethane	3.57	94	31089	0.46	ppbv	89
7) Chloroethane	3.66	64	19424	0.46	ppbv #	88
8) Dichlorotetrafluoroethane	3.27	85	133169	0.47	ppbv	98
9) Propene	3.08	41	40161	0.43	ppbv	99
10) Heptane	8.33	43	118386m	0.45	ppbv	
11) Trichlorofluoromethane	4.07	101	123482	0.51	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	79270	0.51	ppbv	100
13) Ethanol	3.72	45	14455m	0.54	ppbv	
14) Bromoethene	3.85	108	33142	0.45	ppbv #	98
15) Acetone	3.98	43	97063	0.47	ppbv	96
16) 1,3-Butadiene	3.42	39	42148m	0.41	ppbv	
17) tert-Butyl alcohol	4.45	59	30762m	0.32	ppbv	
18) 1,1-Dichloroethene	4.41	96	34855	0.48	ppbv	91
19) Isopropyl Alcohol	4.11	45	63899	0.47	ppbv #	94
20) Methylene Chloride	4.48	84	39569	0.57	ppbv	92
21) Allyl Chloride	4.54	41	59457	0.49	ppbv	95
22) trans-1,2-Dichloroethene	5.04	96	35669	0.52	ppbv	91
23) Vinyl Acetate	5.23	43	152190	0.44	ppbv #	96
24) 1,1-Dichloroethane	5.16	63	121817	0.51	ppbv	98
25) Ethyl Acetate	5.85	43	208008	0.51	ppbv	99
26) Hexane	5.85	57	91457	0.49	ppbv	95
27) Carbon Disulfide	4.69	76	70509	0.42	ppbv #	77
28) Methyl tert-Butyl Ether	5.20	73	125527	0.43	ppbv	99
29) Chloroform	5.92	83	139264	0.49	ppbv	98
30) Cyclohexane	7.33	84	72642m	0.44	ppbv	
31) cis-1,2-Dichloroethene	5.71	61	80886	0.44	ppbv	96
32) 1,1,1-Trichloroethane	6.70	97	135034	0.49	ppbv	98
34) 2-Butanone	5.41	43	128770	0.50	ppbv	98
35) Carbon Tetrachloride	7.22	117	131260	0.51	ppbv	92
36) Benzene	7.09	78	181617	0.48	ppbv	97
37) 1,2-Dichloroethane	6.49	62	113579	0.55	ppbv	100
38) Trichloroethene	8.04	130	58250	0.45	ppbv	90
39) 1,2-Dichloropropane	7.82	63	73517	0.49	ppbv	96
40) 1,4-Dioxane	8.08	88	20244m	0.39	ppbv	
41) Tetrahydrofuran	6.25	42	66008	0.45	ppbv	97
42) Bromodichloromethane	8.00	83	132786	0.45	ppbv	99
43) Methyl Methacrylate	8.22	69	66874m	0.46	ppbv	

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44) 2,2,4-Trimethylpentane	8.07	57	302920m	0.46	ppbv	
45) t-1,3-Dichloropropene	9.50	75	64290m	0.37	ppbv	
46) cis-1,3-Dichloropropene	8.92	75	103552m	0.44	ppbv	
47) 1,1,2-Trichloroethane	9.70	97	78750m	0.47	ppbv	
48) Dibromochloromethane	10.54	129	101652	0.41	ppbv	99
49) Bromoform	13.29	173	90629	0.45	ppbv	97
50) 4-Methyl-2-Pentanone	8.98	43	217345m	0.48	ppbv	
51) 2-Hexanone	10.39	43	126872m	0.34	ppbv	
52) Tetrachloroethene	11.47	164	64760m	0.46	ppbv	
53) Toluene	10.03	91	199154	0.44	ppbv	99
54) 1,2-Dibromoethane	10.85	107	114908	0.46	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.37	131	97942	0.54	ppbv #	1
57) Chlorobenzene	12.39	112	181807	0.51	ppbv #	94
58) Ethyl Benzene	12.95	91	261805	0.43	ppbv #	88
59) m/p-Xylene	13.24	91	503402m	1.00	ppbv	
60) o-Xylene	13.94	91	248716	0.50	ppbv	99
61) Styrene	13.78	104	157974	0.43	ppbv	100
62) Isopropylbenzene	14.92	105	356202	0.51	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	222225	0.55	ppbv	98
64) n-propylbenzene	15.81	120	87769	0.50	ppbv	83
65) tert-Butylbenzene	16.99	119	306004m	0.53	ppbv	
66) Benzyl Chloride	17.25	91	128843	0.44	ppbv	97
67) sec-Butylbenzene	17.55	105	457237	0.54	ppbv	99
69) p-Isopropyltoluene	17.91	119	341344	0.52	ppbv	99
70) n-Butylbenzene	18.80	91	370064	0.51	ppbv	97
71) 2-Chlorotoluene	15.71	91	270420	0.50	ppbv	98
72) 4-Ethyltoluene	16.09	105	259331	0.47	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.25	105	266868	0.52	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	303677	0.58	ppbv	94
75) 1,3-Dichlorobenzene	17.25	146	176683m	0.56	ppbv	
76) 1,4-Dichlorobenzene	17.40	146	167771	0.54	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	168631m	0.54	ppbv	
78) Hexachloro-1,3-Butadiene	23.63	225	55900m	0.57	ppbv	
79) Naphthalene	22.53	128	203974	0.58	ppbv	99
80) Naphthalene, 2-methyl-	25.20	142	59497	0.53	ppbv	96
81) 1,2,4-Trichlorobenzene	22.25	180	108934m	0.61	ppbv	

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

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