

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032261.D
 Acq On : 18 Jul 2018 10:38
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:53:04 PM

Quant Time: Jul 18 12:47:43 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	5.84	49	1730067	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3742970	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4332549	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3378711	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	319972	1.28	ppbv	99
3) Chlorodifluoromethane	3.06	51	202986	0.95	ppbv	98
4) Chloromethane	3.22	50	119926	0.99	ppbv	96
5) Vinyl Chloride	3.35	62	109291	0.92	ppbv	96
6) Bromomethane	3.57	94	60470	0.91	ppbv	93
7) Chloroethane	3.66	64	39376	0.96	ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	269424	0.98	ppbv	97
9) Propene	3.09	41	83379	0.92	ppbv	99
10) Heptane	8.33	43	298310	1.16	ppbv	97
11) Trichlorofluoromethane	4.07	101	253074	1.06	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	158992	1.04	ppbv	98
13) Ethanol	3.72	45	28025	1.07	ppbv	94
14) Bromoethene	3.85	108	68301	0.95	ppbv	92
15) Acetone	3.97	43	192610	0.96	ppbv	99
16) 1,3-Butadiene	3.42	39	90948	0.90	ppbv	93
17) tert-Butyl alcohol	4.45	59	58479m	0.62	ppbv	
18) 1,1-Dichloroethene	4.42	96	69548	0.98	ppbv	84
19) Isopropyl Alcohol	4.10	45	133554	1.01	ppbv #	94
20) Methylene Chloride	4.48	84	76305	1.12	ppbv	93
21) Allyl Chloride	4.55	41	117643	1.00	ppbv	94
22) trans-1,2-Dichloroethene	5.04	96	72776	1.08	ppbv #	87
23) Vinyl Acetate	5.23	43	323459	0.97	ppbv #	97
24) 1,1-Dichloroethane	5.16	63	252995	1.08	ppbv	98
25) Ethyl Acetate	5.85	43	409693	1.03	ppbv	99
26) Hexane	5.86	57	192250	1.06	ppbv	97
27) Carbon Disulfide	4.69	76	156490	0.97	ppbv #	88
28) Methyl tert-Butyl Ether	5.19	73	276599	0.97	ppbv	99
29) Chloroform	5.92	83	279863	1.00	ppbv	96
30) Cyclohexane	7.33	84	154974m	0.97	ppbv	
31) cis-1,2-Dichloroethene	5.71	61	180720	1.00	ppbv	96
32) 1,1,1-Trichloroethane	6.70	97	274819	1.01	ppbv	98
34) 2-Butanone	5.41	43	266637	1.05	ppbv	100
35) Carbon Tetrachloride	7.21	117	270037	1.07	ppbv	97
36) Benzene	7.09	78	386966	1.04	ppbv	99
37) 1,2-Dichloroethane	6.49	62	240767	1.18	ppbv	100
38) Trichloroethene	8.04	130	128194	1.00	ppbv	92
39) 1,2-Dichloropropane	7.82	63	152018	1.03	ppbv	97
40) 1,4-Dioxane	8.08	88	51209m	1.01	ppbv	
41) Tetrahydrofuran	6.24	42	151483	1.06	ppbv	99
42) Bromodichloromethane	8.00	83	286214	0.99	ppbv	92
43) Methyl Methacrylate	8.22	69	154197	1.07	ppbv	99

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44) 2,2,4-Trimethylpentane	8.08	57	707180	1.11	ppbv	99
45) t-1,3-Dichloropropene	9.50	75	148159	0.87	ppbv	89
46) cis-1,3-Dichloropropene	8.92	75	237706	1.02	ppbv	96
47) 1,1,2-Trichloroethane	9.70	97	186538	1.13	ppbv	96
48) Dibromochloromethane	10.54	129	253296	1.03	ppbv	98
49) Bromoform	13.29	173	210587	1.07	ppbv	99
50) 4-Methyl-2-Pentanone	8.97	43	469978	1.07	ppbv	97
51) 2-Hexanone	10.38	43	330613	0.90	ppbv #	98
52) Tetrachloroethene	11.47	164	139859	1.02	ppbv	91
53) Toluene	10.04	91	465942	1.06	ppbv	98
54) 1,2-Dibromoethane	10.85	107	255408	1.05	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.37	131	210707	1.12	ppbv #	1
57) Chlorobenzene	12.39	112	396376	1.08	ppbv	98
58) Ethyl Benzene	12.96	91	645721	1.02	ppbv	98
59) m/p-Xylene	13.24	91	1125101m	2.17	ppbv	
60) o-Xylene	13.94	91	569197	1.11	ppbv	99
61) Styrene	13.78	104	399376	1.04	ppbv	99
62) Isopropylbenzene	14.92	105	802015	1.12	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	471650	1.13	ppbv	98
64) n-propylbenzene	15.81	120	198311	1.09	ppbv	82
65) tert-Butylbenzene	17.00	119	701157	1.17	ppbv	98
66) Benzyl Chloride	17.25	91	324970	1.07	ppbv	97
67) sec-Butylbenzene	17.55	105	1029542	1.17	ppbv	99
69) p-Isopropyltoluene	17.91	119	783095m	1.14	ppbv	
70) n-Butylbenzene	18.81	91	907013	1.20	ppbv	99
71) 2-Chlorotoluene	15.71	91	630144	1.11	ppbv	98
72) 4-Ethyltoluene	16.09	105	626061	1.09	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	622974	1.17	ppbv	98
74) 1,2,4-Trimethylbenzene	17.01	105	686818	1.26	ppbv	94
75) 1,3-Dichlorobenzene	17.25	146	382639	1.17	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	370657m	1.16	ppbv	
77) 1,2-Dichlorobenzene	18.08	146	348821	1.08	ppbv	98
78) Hexachloro-1,3-Butadiene	23.62	225	124056	1.23	ppbv	98
79) Naphthalene	22.53	128	534579m	1.46	ppbv	
80) Naphthalene, 2-methyl-	25.19	142	194307	1.66	ppbv	98
81) 1,2,4-Trichlorobenzene	22.25	180	270609m	1.47	ppbv	

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

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