

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032629.D
 Acq On : 17 Oct 2018 4:04
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:36:24 PM

Quant Time: Oct 17 06:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 2018
 QLast Update : Wed Oct 17 05:31:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1243148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2795030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2683841	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2085004	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	133005	0.85	ppbv	99
3) Chlorodifluoromethane	3.03	51	115437	1.11	ppbv	98
4) Chloromethane	3.18	50	59771	1.05	ppbv	98
5) Vinyl Chloride	3.30	62	60491	1.06	ppbv	99
6) Bromomethane	3.53	94	36778	1.02	ppbv	92
7) Chloroethane	3.62	64	23007	1.02	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	153669	1.10	ppbv	98
9) Propene	3.05	41	38278	0.99	ppbv	96
10) Heptane	8.26	43	133506	0.95	ppbv	93
11) Trichlorofluoromethane	4.02	101	173827	1.14	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	125861	1.11	ppbv	98
13) Ethanol	3.68	45	13642m	1.26	ppbv	
14) Bromoethene	3.81	108	41852	0.98	ppbv	95
15) Acetone	3.93	43	118037	1.08	ppbv	99
16) 1,3-Butadiene	3.38	39	39230	0.90	ppbv	94
17) tert-Butyl alcohol	4.40	59	12303m	1.38	ppbv	
18) 1,1-Dichloroethene	4.37	96	53103	1.05	ppbv	93
19) Isopropyl Alcohol	4.05	45	87162	1.23	ppbv #	93
20) Methylene Chloride	4.43	84	51682	1.03	ppbv	95
21) Allyl Chloride	4.50	41	81558	0.98	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	61873	1.05	ppbv	93
23) Vinyl Acetate	5.17	43	160944	0.94	ppbv #	96
24) 1,1-Dichloroethane	5.11	63	167727	1.10	ppbv	97
25) Ethyl Acetate	5.79	43	265883	1.05	ppbv	100
26) Hexane	5.79	57	119378m	1.03	ppbv	
27) Carbon Disulfide	4.64	76	153637	1.11	ppbv #	88
28) Methyl tert-Butyl Ether	5.14	73	140560	1.03	ppbv	98
29) Chloroform	5.86	83	220015	1.11	ppbv	94
30) Cyclohexane	7.26	84	79480	0.87	ppbv	94
31) cis-1,2-Dichloroethene	5.65	61	103503	0.94	ppbv	96
32) 1,1,1-Trichloroethane	6.64	97	203310	1.06	ppbv	98
34) 2-Butanone	5.35	43	158119	1.10	ppbv	98
35) Carbon Tetrachloride	7.15	117	206920	1.03	ppbv	97
36) Benzene	7.02	78	221848	1.00	ppbv	99
37) 1,2-Dichloroethane	6.43	62	158539	1.08	ppbv	99
38) Trichloroethene	7.98	130	82106	1.01	ppbv	97
39) 1,2-Dichloropropane	7.75	63	89912	0.99	ppbv	93
40) 1,4-Dioxane	8.01	88	37675m	1.26	ppbv	
41) Tetrahydrofuran	6.18	42	74575	0.93	ppbv	99
42) Bromodichloromethane	7.93	83	216030	1.05	ppbv	97
43) Methyl Methacrylate	8.16	69	78591	0.91	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	403510	1.02	ppbv	94
45) t-1,3-Dichloropropene	9.43	75	93659	0.87	ppbv	93
46) cis-1,3-Dichloropropene	8.86	75	114659	0.93	ppbv	95
47) 1,1,2-Trichloroethane	9.63	97	112252	1.05	ppbv	93
48) Dibromochloromethane	10.47	129	184893	1.04	ppbv	96
49) Bromoform	13.22	173	135831	1.00	ppbv	98
50) 4-Methyl-2-Pentanone	8.90	43	220857	1.00	ppbv	95
51) 2-Hexanone	10.31	43	153559	0.89	ppbv #	94
52) Tetrachloroethene	11.39	164	72884m	1.02	ppbv	
53) Toluene	9.97	91	226287	0.90	ppbv	97
54) 1,2-Dibromoethane	10.78	107	154253	1.03	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.30	131	133490	1.10	ppbv #	1
57) Chlorobenzene	12.32	112	229512m	1.13	ppbv	
58) Ethyl Benzene	12.89	91	293260	0.99	ppbv	100
59) m/p-Xylene	13.17	91	557108m	2.08	ppbv	
60) o-Xylene	13.87	91	287119m	1.09	ppbv	
61) Styrene	13.70	104	143111	0.88	ppbv	96
62) Isopropylbenzene	14.85	105	405511	1.08	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.85	83	252367	1.10	ppbv	99
64) n-propylbenzene	15.75	120	101569	1.07	ppbv	88
65) tert-Butylbenzene	16.93	119	346067	1.09	ppbv	96
66) Benzyl Chloride	17.17	91	180456	1.03	ppbv	99
67) sec-Butylbenzene	17.48	105	526657	1.11	ppbv	98
69) p-Isopropyltoluene	17.83	119	389440	1.07	ppbv	98
70) n-Butylbenzene	18.74	91	427775	1.08	ppbv	99
71) 2-Chlorotoluene	15.64	91	284795	1.03	ppbv	98
72) 4-Ethyltoluene	16.02	105	292185	1.02	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.18	105	304805	1.07	ppbv	96
74) 1,2,4-Trimethylbenzene	16.94	105	350639	1.12	ppbv #	92
75) 1,3-Dichlorobenzene	17.18	146	208519	1.15	ppbv	97
76) 1,4-Dichlorobenzene	17.33	146	174763	1.06	ppbv	97
77) 1,2-Dichlorobenzene	18.00	146	194024m	1.14	ppbv	
78) Hexachloro-1,3-Butadiene	23.57	225	110520m	1.33	ppbv	
79) Naphthalene	22.44	128	197348	0.94	ppbv #	95
80) Naphthalene, 2-methyl-	25.14	142	22802	0.56	ppbv	98
81) 1,2,4-Trichlorobenzene	22.16	180	105797m	1.01	ppbv	

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

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