

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032437.D
 Acq On : 31 Aug 2018 4:27
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:42 AM

Quant Time: Aug 31 21:28:46 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 04:25:10 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2032019	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4287889	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4382994m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3176019	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	2223385	12.22	ppbv	99
3) Chlorodifluoromethane	3.04	51	2555453	14.53	ppbv	100
4) Chloromethane	3.20	50	1590213	14.76	ppbv	97
5) Vinyl Chloride	3.32	62	1505353	15.79	ppbv	99
6) Bromomethane	3.55	94	842102	14.52	ppbv	99
7) Chloroethane	3.64	64	553277	14.77	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	3043586	13.61	ppbv	100
9) Propene	3.07	41	1218520	17.52	ppbv	99
10) Heptane	8.30	43	4147257	16.50	ppbv	99
11) Trichlorofluoromethane	4.04	101	3125982	13.71	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.59	101	2127301	13.96	ppbv	99
13) Ethanol	3.68	45	266175	11.82	ppbv	96
14) Bromoethene	3.82	108	990126	14.97	ppbv	100
15) Acetone	3.94	43	2455709	12.67	ppbv	100
16) 1,3-Butadiene	3.40	39	1299454	16.08	ppbv	91
17) tert-Butyl alcohol	4.40	59	416976	13.12	ppbv	98
18) 1,1-Dichloroethene	4.40	96	1045006	14.94	ppbv	96
19) Isopropyl Alcohol	4.06	45	1739773	14.24	ppbv #	98
20) Methylene Chloride	4.45	84	920650	12.79	ppbv	94
21) Allyl Chloride	4.52	41	1843742	15.08	ppbv	100
22) trans-1,2-Dichloroethene	5.01	96	1097925	14.56	ppbv	97
23) Vinyl Acetate	5.20	43	4680093	15.67	ppbv	98
24) 1,1-Dichloroethane	5.14	63	3351705	13.99	ppbv	100
25) Ethyl Acetate	5.82	43	6025368	14.72	ppbv	100
26) Hexane	5.83	57	2802523	15.28	ppbv	100
27) Carbon Disulfide	4.66	76	2759646	15.68	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	3611735	15.96	ppbv	100
29) Chloroform	5.90	83	4092711	14.45	ppbv	99
30) Cyclohexane	7.30	84	2284693	16.87	ppbv	99
31) cis-1,2-Dichloroethene	5.69	61	2787441	16.65	ppbv	99
32) 1,1,1-Trichloroethane	6.68	97	3781803	15.46	ppbv	99
34) 2-Butanone	5.38	43	3914506	14.34	ppbv	100
35) Carbon Tetrachloride	7.19	117	3786885	14.26	ppbv	99
36) Benzene	7.06	78	5395644	15.20	ppbv	99
37) 1,2-Dichloroethane	6.47	62	3096826	14.08	ppbv	100
38) Trichloroethene	8.02	130	1862655	15.71	ppbv	99
39) 1,2-Dichloropropane	7.79	63	2228912	14.95	ppbv	99
40) 1,4-Dioxane	8.01	88	608648	13.69	ppbv #	1
41) Tetrahydrofuran	6.20	42	2477142	16.96	ppbv	99
42) Bromodichloromethane	7.97	83	4257536	14.16	ppbv	98
43) Methyl Methacrylate	8.19	69	2549009	17.43	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	9395687	14.18	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	3082337	17.74	ppbv	98
46) cis-1,3-Dichloropropene	8.89	75	3556076	16.73	ppbv	100
47) 1,1,2-Trichloroethane	9.67	97	2336166	14.63	ppbv	99
48) Dibromochloromethane	10.51	129	3313062	14.73	ppbv	100
49) Bromoform	13.26	173	2868339	14.52	ppbv	99
50) 4-Methyl-2-Pentanone	8.92	43	6366187	15.04	ppbv	99
51) 2-Hexanone	10.33	43	4599655	16.46	ppbv	99
52) Tetrachloroethene	11.43	164	1602800	15.74	ppbv	98
53) Toluene	10.01	91	6500485	17.48	ppbv	99
54) 1,2-Dibromoethane	10.82	107	3122986	13.54	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.34	131	2454608	13.01	ppbv #	69
57) Chlorobenzene	12.36	112	4391925	13.08	ppbv	99
58) Ethyl Benzene	12.93	91	8049560	16.10	ppbv	99
59) m/p-Xylene	13.21	91	12980255m	29.15	ppbv	
60) o-Xylene	13.91	91	6302787	14.73	ppbv	98
61) Styrene	13.75	104	4911838	17.09	ppbv	100
62) Isopropylbenzene	14.89	105	8940084	14.76	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.90	83	4826447	12.91	ppbv	100
64) n-propylbenzene	15.78	120	2382917	15.05	ppbv	97
65) tert-Butylbenzene	16.97	119	7379994	14.19	ppbv	100
66) Benzyl Chloride	17.22	91	4736440	14.69	ppbv	100
67) sec-Butylbenzene	17.52	105	11033468	14.26	ppbv	100
69) p-Isopropyltoluene	17.88	119	8904326	15.02	ppbv	100
70) n-Butylbenzene	18.77	91	9765833	14.85	ppbv	99
71) 2-Chlorotoluene	15.68	91	7166498	15.48	ppbv	100
72) 4-Ethyltoluene	16.06	105	7553467	16.21	ppbv	99
73) 1,3,5-Trimethylbenzene	16.22	105	7138763	16.03	ppbv	98
74) 1,2,4-Trimethylbenzene	16.99	105	6902826	14.36	ppbv	94
75) 1,3-Dichlorobenzene	17.23	146	3932064	12.83	ppbv	100
76) 1,4-Dichlorobenzene	17.37	146	4035135	14.32	ppbv	100
77) 1,2-Dichlorobenzene	18.05	146	4055014	13.77	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	1489480	11.72	ppbv	99
79) Naphthalene	22.48	128	6939665	21.72	ppbv	98
80) Naphthalene, 2-methyl-	25.15	142	2692027	32.18	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	3239042	18.69	ppbv	99

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

