

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032440.D
 Acq On : 31 Aug 2018 14:02
 Operator : SY/AP
 Sample : VL0831ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:54 AM

Quant Time: Sep 01 02:15:06 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 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1997195	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4018422	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	4247617m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	3070083	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	2602447	10.187	ppbv	99
3) Chlorodifluoromethane	3.04	51	1656625	9.163	ppbv	100
4) Chloromethane	3.20	50	1022479	9.340	ppbv	99
5) Vinyl Chloride	3.32	62	980251	9.072	ppbv	97
6) Bromomethane	3.55	94	551020	9.715	ppbv	99
7) Chloroethane	3.63	64	363440	9.718	ppbv	97
8) Dichlorotetrafluoroethane	3.25	85	2098078	9.253	ppbv	99
9) Propene	3.06	41	745771	10.226	ppbv	98
10) Heptane	8.30	43	2479672	9.478	ppbv	99
11) Trichlorofluoromethane	4.04	101	2074139	9.004	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1432443	9.177	ppbv	99
13) Ethanol	3.68	45	175428	7.717	ppbv	95
14) Bromoethene	3.82	108	641258	9.696	ppbv	99
15) Acetone	3.94	43	1576264	8.764	ppbv	100
16) 1,3-Butadiene	3.40	39	782995	9.252	ppbv	98
17) tert-Butyl alcohol	4.40	59	221749	8.012	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	684870	9.600	ppbv	96
19) Isopropyl Alcohol	4.06	45	1149857	9.746	ppbv	99
20) Methylene Chloride	4.45	84	609637	8.890	ppbv	97
21) Allyl Chloride	4.52	41	1190074	9.963	ppbv	100
22) trans-1,2-Dichloroethene	5.00	96	665624	8.599	ppbv	99
23) Vinyl Acetate	5.20	43	2784497	9.340	ppbv	99
24) 1,1-Dichloroethane	5.13	63	2047906	8.337	ppbv	99
25) Ethyl Acetate	5.81	43	4006482	9.433	ppbv	100
26) Hexane	5.82	57	1868008	9.822	ppbv	99
27) Carbon Disulfide	4.66	76	1821816	10.378	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	2101339	8.999	ppbv	99
29) Chloroform	5.89	83	2748951	9.480	ppbv	99
30) Cyclohexane	7.30	84	1436437	10.315	ppbv	100
31) cis-1,2-Dichloroethene	5.68	61	1660268	9.641	ppbv	99
32) 1,1,1-Trichloroethane	6.67	97	2508726	9.282	ppbv	99
34) 2-Butanone	5.37	43	2675450	10.024	ppbv	100
35) Carbon Tetrachloride	7.18	117	2567831	9.507	ppbv	99
36) Benzene	7.06	78	3597254	10.519	ppbv	98
37) 1,2-Dichloroethane	6.46	62	2021628	9.647	ppbv	100
38) Trichloroethene	8.01	130	1266603	9.750	ppbv	99
39) 1,2-Dichloropropane	7.79	63	1449214	9.905	ppbv	99
40) 1,4-Dioxane	8.01	88	470030	10.708	ppbv	87
41) Tetrahydrofuran	6.20	42	1555217	10.703	ppbv	99
42) Bromodichloromethane	7.97	83	2831196	9.795	ppbv	97
43) Methyl Methacrylate	8.19	69	1497984	10.325	ppbv	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	6384820	9.657	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	1963436	12.648	ppbv	97
46) cis-1,3-Dichloropropene	8.89	75	2391249	12.054	ppbv	99
47) 1,1,2-Trichloroethane	9.67	97	1580812	10.162	ppbv	97
48) Dibromochloromethane	10.51	129	2272147	10.546	ppbv	99
49) Bromoform	13.26	173	1984937	10.600	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	4199164	10.444	ppbv	100
51) 2-Hexanone	10.32	43	3347643	12.926	ppbv #	100
52) Tetrachloroethene	11.43	164	1160173	10.941	ppbv	99
53) Toluene	10.00	91	4221470	11.810	ppbv	99
54) 1,2-Dibromoethane	10.82	107	2084686	9.981	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.34	131	1657508	8.655	ppbv #	61
57) Chlorobenzene	12.36	112	2968508	8.744	ppbv	99
58) Ethyl Benzene	12.92	91	5385637	10.595	ppbv	98
59) m/p-Xylene	13.21	91	8816131m	19.454	ppbv	
60) o-Xylene	13.91	91	4363917	9.803	ppbv	99
61) Styrene	13.74	104	3299036	11.448	ppbv	100
62) Isopropylbenzene	14.88	105	6096545	9.742	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.89	83	3391535	8.521	ppbv	100
64) n-propylbenzene	15.78	120	1598294	9.770	ppbv	98
65) tert-Butylbenzene	16.96	119	5124355	9.503	ppbv	100
66) Benzyl Chloride	17.21	91	3314528	11.034	ppbv	100
67) sec-Butylbenzene	17.51	105	7674169	9.463	ppbv	100
69) p-Isopropyltoluene	17.87	119	6130390	9.754	ppbv	100
70) n-Butylbenzene	18.77	91	6790066	9.531	ppbv	99
71) 2-Chlorotoluene	15.67	91	4809165	10.059	ppbv	99
72) 4-Ethyltoluene	16.05	105	5109214	10.513	ppbv	100
73) 1,3,5-Trimethylbenzene	16.21	105	4836512	9.933	ppbv	98
74) 1,2,4-Trimethylbenzene	16.98	105	4856303	9.123	ppbv #	92
75) 1,3-Dichlorobenzene	17.22	146	2772466	8.778	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	2798656	9.549	ppbv	100
77) 1,2-Dichlorobenzene	18.04	146	2782353	9.130	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	1666751	14.638	ppbv	100
79) Naphthalene	22.47	128	4714524	10.891	ppbv	99
80) Naphthalene,2-methyl-	25.15	142	1798626	15.616	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	2225493	10.208	ppbv	99

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

