

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071218\
 Data File : VL032237.D
 Acq On : 13 Jul 2018 3:36
 Operator : SY/AP
 Sample : VL0712ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0712ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 5:22:17 PM

Quant Time: Jul 13 05:35:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1779908	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4035236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4892825m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3888464	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	2722445	10.62	ppbv	100
3) Chlorodifluoromethane	3.06	51	1785421	8.16	ppbv	100
4) Chloromethane	3.22	50	1045393	8.40	ppbv	99
5) Vinyl Chloride	3.35	62	1079612	8.81	ppbv	96
6) Bromomethane	3.57	94	584772	8.57	ppbv	99
7) Chloroethane	3.66	64	379720	8.99	ppbv	99
8) Dichlorotetrafluoroethane	3.27	85	2138818	7.60	ppbv	99
9) Propene	3.09	41	871706	9.35	ppbv	99
10) Heptane	8.33	43	2631788	9.94	ppbv	98
11) Trichlorofluoromethane	4.07	101	2122347	8.66	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1344366	8.59	ppbv	100
13) Ethanol	3.71	45	195601	7.27	ppbv	99
14) Bromoethene	3.85	108	663245	8.98	ppbv	100
15) Acetone	3.96	43	1617547	7.83	ppbv	100
16) 1,3-Butadiene	3.42	39	1028528	9.85	ppbv	91
17) tert-Butyl alcohol	4.42	59	1366542	14.17	ppbv	99
18) 1,1-Dichloroethene	4.42	96	642638	8.82	ppbv	99
19) Isopropyl Alcohol	4.09	45	1161062	8.56	ppbv #	98
20) Methylene Chloride	4.48	84	561743	8.03	ppbv	96
21) Allyl Chloride	4.55	41	1147285	9.49	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	702662	10.13	ppbv	99
23) Vinyl Acetate	5.23	43	3500683	10.19	ppbv	99
24) 1,1-Dichloroethane	5.17	63	2325413	9.64	ppbv	98
25) Ethyl Acetate	5.85	43	3828488	9.37	ppbv	99
26) Hexane	5.86	57	1781339	9.55	ppbv	98
27) Carbon Disulfide	4.69	76	1639090	9.83	ppbv	99
28) Methyl tert-Butyl Ether	5.19	73	3039142	10.36	ppbv	100
29) Chloroform	5.93	83	2639821	9.17	ppbv	99
30) Cyclohexane	7.34	84	1610572	9.79	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1886764	10.14	ppbv	97
32) 1,1,1-Trichloroethane	6.71	97	2652497	9.50	ppbv	98
34) 2-Butanone	5.40	43	2705039	9.84	ppbv	99
35) Carbon Tetrachloride	7.22	117	2676373	9.80	ppbv	98
36) Benzene	7.09	78	3932718	9.81	ppbv	98
37) 1,2-Dichloroethane	6.50	62	2258659	10.29	ppbv	100
38) Trichloroethene	8.05	130	1254871	9.12	ppbv	96
39) 1,2-Dichloropropane	7.83	63	1591449	9.99	ppbv	99
40) 1,4-Dioxane	8.04	88	467113	8.55	ppbv #	100
41) Tetrahydrofuran	6.23	42	1580985	10.28	ppbv	98
42) Bromodichloromethane	8.01	83	2989927	9.56	ppbv	99
43) Methyl Methacrylate	8.22	69	1589771	10.26	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6620861	9.60	ppbv	100
45) t-1,3-Dichloropropene	9.51	75	2428471	13.16	ppbv	96
46) cis-1,3-Dichloropropene	8.93	75	2878593	11.43	ppbv	99
47) 1,1,2-Trichloroethane	9.71	97	1808057	10.16	ppbv	97
48) Dibromochloromethane	10.55	129	2818580	10.64	ppbv	100
49) Bromoform	13.30	173	2203057	10.38	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4884109	10.27	ppbv	100
51) 2-Hexanone	10.37	43	3952329	9.95	ppbv	100
52) Tetrachloroethene	11.47	164	1365450	9.21	ppbv	98
53) Toluene	10.04	91	5191100	10.95	ppbv	99
54) 1,2-Dibromoethane	10.86	107	2747862	10.46	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.38	131	1967508	9.26	ppbv	99
57) Chlorobenzene	12.40	112	3683351	8.91	ppbv	99
58) Ethyl Benzene	12.96	91	7083260	9.94	ppbv	100
59) m/p-Xylene	13.22	91	11385698m	19.42	ppbv	
60) o-Xylene	13.95	91	5437616	9.40	ppbv	100
61) Styrene	13.78	104	4507576	10.40	ppbv	100
62) Isopropylbenzene	14.93	105	7583403	9.35	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3819605	8.12	ppbv	100
64) n-propylbenzene	15.82	120	1942114	9.46	ppbv	98
65) tert-Butylbenzene	17.00	119	6075532	8.94	ppbv	99
66) Benzyl Chloride	17.25	91	3678305	10.70	ppbv	99
67) sec-Butylbenzene	17.56	105	9084692	9.15	ppbv	100
69) p-Isopropyltoluene	17.91	119	7199920	9.31	ppbv	100
70) n-Butylbenzene	18.81	91	7878578	9.23	ppbv	100
71) 2-Chlorotoluene	15.71	91	6007330	9.41	ppbv	99
72) 4-Ethyltoluene	16.10	105	6297881	9.70	ppbv	99
73) 1,3,5-Trimethylbenzene	16.26	105	5916441	9.80	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	5695682	9.23	ppbv	98
75) 1,3-Dichlorobenzene	17.27	146	3033437	8.24	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	3109376	8.62	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2978722	8.14	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	816928	7.16	ppbv	100
79) Naphthalene	22.52	128	4587083	11.07	ppbv	98
80) Naphthalene, 2-methyl-	25.19	142	2449934	18.51	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2163921	10.44	ppbv	100

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

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