

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032751.D
 Acq On : 14 Nov 2018 9:32
 Operator : SY/AP
 Sample : VL1114ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:29:51 PM

Quant Time: Nov 15 05:48:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1564971	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3996105	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3812137m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2882929	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1921161	8.540	ppbv 99
3) Chlorodifluoromethane	3.02	51	1121300	9.038	ppbv 99
4) Chloromethane	3.17	50	616095	8.955	ppbv 99
5) Vinyl Chloride	3.30	62	631041	8.656	ppbv 98
6) Bromomethane	3.52	94	411731	9.233	ppbv 91
7) Chloroethane	3.61	64	235800	8.975	ppbv 91
8) Dichlorotetrafluoroethane	3.23	85	1554218	8.768	ppbv 100
9) Propene	3.04	41	453722	9.138	ppbv 98
10) Heptane	8.25	43	1904862	10.049	ppbv 99
11) Trichlorofluoromethane	4.01	101	2111038	9.958	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1777323	10.264	ppbv 100
13) Ethanol	3.66	45	109522	6.734	ppbv 95
14) Bromoethene	3.80	108	522766	9.100	ppbv 100
15) Acetone	3.91	43	1109190	7.761	ppbv 99
16) 1,3-Butadiene	3.37	39	556529	10.055	ppbv 98
17) tert-Butyl alcohol	4.36	59	454121	10.131	ppbv 99
18) 1,1-Dichloroethene	4.36	96	815091	9.572	ppbv 92
19) Isopropyl Alcohol	4.03	45	981782	10.312	ppbv 99
20) Methylene Chloride	4.42	84	685325	9.263	ppbv 95
21) Allyl Chloride	4.49	41	1312458	10.928	ppbv 99
22) trans-1,2-Dichloroethene	4.97	96	744113	8.949	ppbv 99
23) Vinyl Acetate	5.16	43	2560492	9.828	ppbv 99
24) 1,1-Dichloroethane	5.10	63	1935956	9.347	ppbv 99
25) Ethyl Acetate	5.78	43	3120557	9.368	ppbv 100
26) Hexane	5.79	57	1431619	9.655	ppbv 99
27) Carbon Disulfide	4.63	76	2053197	10.920	ppbv 99
28) Methyl tert-Butyl Ether	5.12	73	2379156	10.062	ppbv 100
29) Chloroform	5.86	83	2408583	9.114	ppbv 93
30) Cyclohexane	7.25	84	1297900	10.008	ppbv 99
31) cis-1,2-Dichloroethene	5.65	61	1499432	10.058	ppbv 95
32) 1,1,1-Trichloroethane	6.63	97	2568423	8.866	ppbv 99
34) 2-Butanone	5.34	43	2020997	9.751	ppbv 100
35) Carbon Tetrachloride	7.14	117	2809194	8.745	ppbv 99
36) Benzene	7.01	78	3104093	9.755	ppbv 98
37) 1,2-Dichloroethane	6.42	62	1991386	9.296	ppbv 100
38) Trichloroethene	7.97	130	1231067	9.559	ppbv 98
39) 1,2-Dichloropropane	7.75	63	1168060	9.634	ppbv 100
40) 1,4-Dioxane	7.96	88	416663	9.622	ppbv 96
41) Tetrahydrofuran	6.16	42	1209919	10.177	ppbv 99
42) Bromodichloromethane	7.93	83	2737243	9.426	ppbv 98
43) Methyl Methacrylate	8.15	69	1249069	10.514	ppbv 99

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44) 2,2,4-Trimethylpentane	8.00	57	5165185	9.713	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1845799	11.579	ppbv	97
46) cis-1,3-Dichloropropene	8.85	75	2109911	10.955	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	1345254	9.383	ppbv	96
48) Dibromochloromethane	10.46	129	2419834	9.931	ppbv	99
49) Bromoform	13.21	173	1856518	9.226	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3268342	10.096	ppbv	100
51) 2-Hexanone	10.28	43	2264336	10.857	ppbv #	100
52) Tetrachloroethene	11.38	164	1085809	9.809	ppbv	95
53) Toluene	9.96	91	3561490	10.728	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1965648	9.699	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1604562	9.024	ppbv	98
57) Chlorobenzene	12.31	112	2670020	9.150	ppbv	99
58) Ethyl Benzene	12.87	91	4724979	10.299	ppbv	98
59) m/p-Xylene	13.16	91	7905726m	19.357	ppbv	
60) o-Xylene	13.86	91	3868306	9.420	ppbv	100
61) Styrene	13.69	104	2882012	10.781	ppbv	100
62) Isopropylbenzene	14.84	105	5363841	9.663	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2558686	7.993	ppbv	99
64) n-propylbenzene	15.73	120	1409563	9.655	ppbv	100
65) tert-Butylbenzene	16.92	119	4801790	9.650	ppbv	100
66) Benzyl Chloride	17.16	91	2772230	10.078	ppbv	100
67) sec-Butylbenzene	17.47	105	6809287	9.496	ppbv	100
69) p-Isopropyltoluene	17.82	119	5620311	9.857	ppbv	100
70) n-Butylbenzene	18.72	91	5796865	10.013	ppbv	99
71) 2-Chlorotoluene	15.62	91	4003042	9.670	ppbv	100
72) 4-Ethyltoluene	16.01	105	4525113	10.053	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4277624	9.720	ppbv	98
74) 1,2,4-Trimethylbenzene	16.94	105	4405113	9.354	ppbv	94
75) 1,3-Dichlorobenzene	17.17	146	2469847	9.143	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2435723	9.653	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2421411	9.689	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1722026	12.768	ppbv	100
79) Naphthalene	22.42	128	4058247	13.118	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1081617	13.959	ppbv	97
81) 1,2,4-Trichlorobenzene	22.14	180	1906017	12.268	ppbv	99

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

