

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035192.D
 Acq On : 16 Jul 2020 13:52
 Operator : SY/AP
 Sample : VL0716ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

Quant Time: Jul 17 06:00:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1298993	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3101807	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	3023833m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2357185	9.60	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	2.99	85	1397989	7.679	ppbv 99
3) Chlorodifluoromethane	2.93	51	1342713	9.358	ppbv 97
4) Chloromethane	3.08	50	766349	9.476	ppbv 94
5) Vinyl Chloride	3.20	62	739075	8.552	ppbv 100
6) Bromomethane	3.42	94	462332	9.427	ppbv 95
7) Chloroethane	3.50	64	279348	9.144	ppbv 96
8) Dichlorotetrafluoroethane	3.13	85	1711797	8.579	ppbv 99
9) Propene	2.95	41	581221	10.719	ppbv 98
10) Heptane	8.10	43	1481007	10.639	ppbv 100
11) Trichlorofluoromethane	3.90	101	1749785	8.511	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.44	101	1217923	8.436	ppbv 99
13) Ethanol	3.55	45	142860	8.275	ppbv 89
14) Bromoethene	3.69	108	567083	9.544	ppbv 98
15) Acetone	3.80	43	1390559	7.907	ppbv 99
16) 1,3-Butadiene	3.27	39	693534	10.274	ppbv 98
17) tert-Butyl alcohol	4.24	59	1558520	10.016	ppbv 99
18) 1,1-Dichloroethene	4.24	96	577673	9.037	ppbv 96
19) Isopropyl Alcohol	3.92	45	1041719	9.819	ppbv # 98
20) Methylene Chloride	4.30	84	544131	7.111	ppbv 98
21) Allyl Chloride	4.37	41	956582	9.345	ppbv 99
22) trans-1,2-Dichloroethene	4.84	96	550602	8.627	ppbv 97
23) Vinyl Acetate	5.03	43	2037431	10.703	ppbv 97
24) 1,1-Dichloroethane	4.97	63	1512211	9.250	ppbv 99
25) Ethyl Acetate	5.64	43	2706892	9.918	ppbv 99
26) Hexane	5.65	57	1190367	9.892	ppbv 98
27) Carbon Disulfide	4.50	76	1521123	9.053	ppbv 100
28) Methyl tert-Butyl Ether	5.00	73	1899504	10.361	ppbv 99
29) Chloroform	5.72	83	1848571	9.163	ppbv 97
30) Cyclohexane	7.11	84	997227	11.200	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	1217197	10.694	ppbv 99
32) 1,1,1-Trichloroethane	6.48	97	1845164	9.126	ppbv 99
34) 2-Butanone	5.20	43	1712106	10.341	ppbv 100
35) Carbon Tetrachloride	7.00	117	1867170	9.273	ppbv 98
36) Benzene	6.87	78	2368986	10.553	ppbv 98
37) 1,2-Dichloroethane	6.28	62	1441579	9.568	ppbv 99
38) Trichloroethene	7.82	130	922322	10.083	ppbv 98
39) 1,2-Dichloropropane	7.60	63	920940	10.315	ppbv 97
40) 1,4-Dioxane	7.81	88	363303	10.222	ppbv 97
41) Tetrahydrofuran	6.01	42	938744	11.332	ppbv 99
42) Bromodichloromethane	7.78	83	1989401	9.888	ppbv 98
43) Methyl Methacrylate	8.00	69	1063748	11.209	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3999650	10.321	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1234394	12.381	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1421594	12.027	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	983444	10.064	ppbv	93
48) Dibromochloromethane	10.30	129	1649750	10.376	ppbv	100
49) Bromoform	13.05	173	1431198	10.290	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2503608	10.537	ppbv	100
51) 2-Hexanone	10.12	43	2026449	11.185	ppbv	100
52) Tetrachloroethene	11.22	164	851349	10.153	ppbv	95
53) Toluene	9.80	91	2712767	11.450	ppbv	98
54) 1,2-Dibromoethane	10.61	107	1489336	10.270	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1244993	9.293	ppbv #	93
57) Chlorobenzene	12.15	112	2072668	9.300	ppbv	96
58) Ethyl Benzene	12.72	91	3610823	10.804	ppbv	98
59) m/p-Xylene	13.00	91	5972730m	20.051	ppbv	
60) o-Xylene	13.70	91	2965321	9.978	ppbv	99
61) Styrene	13.54	104	2146219	11.687	ppbv	99
62) Isopropylbenzene	14.68	105	4415649	10.024	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2106367	8.482	ppbv	98
64) n-propylbenzene	15.57	120	1149642	10.103	ppbv	100
65) tert-Butylbenzene	16.76	119	3902449	9.864	ppbv	99
66) Benzyl Chloride	17.01	91	1540058	10.926	ppbv	100
67) sec-Butylbenzene	17.31	105	5516784	9.565	ppbv	99
69) p-Isopropyltoluene	17.67	119	4579458	10.130	ppbv	99
70) n-Butylbenzene	18.57	91	4719954	9.847	ppbv	99
71) 2-Chlorotoluene	15.46	91	3379345	10.138	ppbv	99
72) 4-Ethyltoluene	15.85	105	3498440	10.447	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3265255	10.112	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	3401577	9.532	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	1938196	8.576	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	1929090	9.185	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	1848473	9.085	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1402901	8.725	ppbv	100
79) Naphthalene	22.22	128	2905483	12.582	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1153877	21.154	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	1610259	11.007	ppbv	99

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

