

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035941.D
 Acq On : 16 Nov 2020 12:43
 Operator : SY/AP
 Sample : VL1116ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 9:06:26 AM

Quant Time: Nov 17 09:50:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1259944	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4567298	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4640313m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3442217	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1899610	8.008 ppbv	100
3) Chlorodifluoromethane	2.98	51	1372701	9.098 ppbv	100
4) Chloromethane	3.13	50	689728	9.410 ppbv	99
5) Vinyl Chloride	3.25	62	844441	9.038 ppbv	99
6) Bromomethane	3.47	94	682762	9.086 ppbv	98
7) Chloroethane	3.55	64	311251	9.465 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2452286	9.033 ppbv	95
9) Propene	3.01	41	511084	9.255 ppbv	99
10) Heptane	8.13	43	1523450	9.988 ppbv	98
11) Trichlorofluoromethane	3.95	101	2863058	9.612 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2115410	9.539 ppbv	98
13) Ethanol	3.60	45	93902	7.838 ppbv	96
14) Bromoethene	3.74	108	891934	8.739 ppbv	99
15) Acetone	3.85	43	1205159	8.947 ppbv	99
16) 1,3-Butadiene	3.32	39	534509	9.217 ppbv	100
17) tert-Butyl alcohol	4.29	59	1628919	9.125 ppbv	99
18) 1,1-Dichloroethene	4.29	96	950745	9.337 ppbv	95
19) Isopropyl Alcohol	3.97	45	743118	8.977 ppbv	# 96
20) Methylene Chloride	4.34	84	769619	8.116 ppbv	99
21) Allyl Chloride	4.41	41	705770	9.689 ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	969762	9.395 ppbv	98
23) Vinyl Acetate	5.08	43	1618779	8.573 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1670634	9.287 ppbv	99
25) Ethyl Acetate	5.68	43	2534064	9.550 ppbv	99
26) Hexane	5.69	57	1324785	9.053 ppbv	97
27) Carbon Disulfide	4.55	76	2095415	9.556 ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2242121	8.532 ppbv	100
29) Chloroform	5.75	83	2602946	9.049 ppbv	97
30) Cyclohexane	7.13	84	1379914	8.657 ppbv	96
31) cis-1,2-Dichloroethene	5.55	61	1374762	9.132 ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2519501	8.394 ppbv	99
34) 2-Butanone	5.25	43	1614775	10.894 ppbv	97
35) Carbon Tetrachloride	7.02	117	2508760	10.281 ppbv	97
36) Benzene	6.90	78	3242598	9.550 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1644401	10.690 ppbv	98
38) Trichloroethene	7.84	130	1519540	9.162 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1153333	10.089 ppbv	99
40) 1,4-Dioxane	7.83	88	518969	9.579 ppbv	87
41) Tetrahydrofuran	6.05	42	931456	11.061 ppbv	97
42) Bromodichloromethane	7.80	83	2668951	10.283 ppbv	99
43) Methyl Methacrylate	8.02	69	1353445	10.450 ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4563543	10.156	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1444992	10.525	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1786517	10.275	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1523964	9.784	ppbv	97
48) Dibromochloromethane	10.31	129	2479266	10.418	ppbv	99
49) Bromoform	13.05	173	2124569	10.580	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2555358	11.274	ppbv	98
51) 2-Hexanone	10.14	43	2119293	11.640	ppbv #	97
52) Tetrachloroethene	11.23	164	1380196	8.580	ppbv	98
53) Toluene	9.82	91	3950072	9.641	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2304706	9.729	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1951730	9.371	ppbv	99
57) Chlorobenzene	12.16	112	3273692	8.873	ppbv	99
58) Ethyl Benzene	12.72	91	5205080	9.210	ppbv	98
59) m/p-Xylene	13.01	91	8966711m	18.753	ppbv	
60) o-Xylene	13.71	91	4435901	9.537	ppbv	99
61) Styrene	13.54	104	3276726	9.614	ppbv	98
62) Isopropylbenzene	14.68	105	6539338	8.945	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3292672	9.136	ppbv	99
64) n-propylbenzene	15.57	120	1955356	9.253	ppbv	96
65) tert-Butylbenzene	16.76	119	6044873	9.084	ppbv	98
66) Benzyl Chloride	17.00	91	2294018	10.429	ppbv	98
67) sec-Butylbenzene	17.31	105	8188558	9.131	ppbv	99
69) p-Isopropyltoluene	17.67	119	6873743	9.288	ppbv	99
70) n-Butylbenzene	18.56	91	7085461	9.942	ppbv	99
71) 2-Chlorotoluene	15.46	91	5071076	9.483	ppbv	98
72) 4-Ethyltoluene	15.85	105	5313308	9.418	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4983432	9.653	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	5281069	9.547	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3289449	9.339	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3248545	9.561	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3198163	9.314	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1846814	11.528	ppbv	100
79) Naphthalene	22.21	128	4593739	11.912	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	847559	13.487	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	2341352	10.867	ppbv	98

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

