

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037161.D
 Acq On : 15 Jun 2021 19:49
 Operator : SY/AP
 Sample : VL0615ABS02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0615ABS02

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:01:40 PM

Quant Time: Jun 16 02:23:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1603217	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4704668	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4547837m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3370862	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2169039	8.495	ppbv 100
3) Chlorodifluoromethane	2.99	51	2604583	8.660	ppbv 100
4) Chloromethane	3.15	50	817359	7.976	ppbv 96
5) Vinyl Chloride	3.26	62	900164	9.080	ppbv 98
6) Bromomethane	3.48	94	398339	6.316	ppbv 97
7) Chloroethane	3.56	64	333513	8.621	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	2261615	8.290	ppbv 100
9) Propene	3.02	41	788130	7.945	ppbv 100
10) Heptane	8.14	43	2018429	8.535	ppbv 99
11) Trichlorofluoromethane	3.96	101	2346053	8.098	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1635487	8.229	ppbv 99
13) Ethanol	3.62	45	121578m	8.870	ppbv
14) Bromoethene	3.75	108	729549	8.484	ppbv 98
15) Acetone	3.86	43	1203941	6.276	ppbv 100
16) 1,3-Butadiene	3.33	39	992569	9.583	ppbv 89
17) tert-Butyl alcohol	4.30	59	1285059	7.740	ppbv 100
18) 1,1-Dichloroethene	4.30	96	749161	8.356	ppbv 99
19) Isopropyl Alcohol	3.98	45	856903	8.140	ppbv # 95
20) Methylene Chloride	4.35	84	583186	6.975	ppbv 99
21) Allyl Chloride	4.42	41	951776	7.426	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	744601	8.524	ppbv 100
23) Vinyl Acetate	5.09	43	2159838	8.573	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1734440	8.579	ppbv 98
25) Ethyl Acetate	5.69	43	3049922	8.114	ppbv 99
26) Hexane	5.70	57	1510533	8.080	ppbv 98
27) Carbon Disulfide	4.56	76	1675427	8.840	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1891120	8.077	ppbv 99
29) Chloroform	5.76	83	2475683	8.203	ppbv 100
30) Cyclohexane	7.14	84	1347867	8.270	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1506537	8.362	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	2584169	9.325	ppbv 99
34) 2-Butanone	5.26	43	1415000	8.008	ppbv 99
35) Carbon Tetrachloride	7.03	117	2696072	9.322	ppbv 99
36) Benzene	6.91	78	3186533	8.536	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1855942	8.562	ppbv 100
38) Trichloroethene	7.85	130	1379454	8.551	ppbv 99
39) 1,2-Dichloropropane	7.63	63	1221574	8.571	ppbv 99
40) 1,4-Dioxane	7.85	88	317048	7.944	ppbv # 1
41) Tetrahydrofuran	6.07	42	695535	8.089	ppbv 100
42) Bromodichloromethane	7.81	83	2647474	8.864	ppbv 98
43) Methyl Methacrylate	8.03	69	1216474	9.498	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5278816	8.448	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	598027	5.182	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	873577	5.673	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1361992	8.425	ppbv	98
48) Dibromochloromethane	10.32	129	2473637	9.485	ppbv	99
49) Bromoform	13.06	173	2092013	10.268	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2247949	8.649	ppbv	99
51) 2-Hexanone	10.15	43	1230380	9.484	ppbv #	98
52) Tetrachloroethene	11.24	164	1345221	8.713	ppbv	97
53) Toluene	9.82	91	3871700	8.725	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1968903	8.317	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1725530	8.700	ppbv #	58
57) Chlorobenzene	12.16	112	2977015	8.169	ppbv	99
58) Ethyl Benzene	12.73	91	5224627	8.481	ppbv	98
59) m/p-Xylene	13.01	91	8778571m	16.769	ppbv	
60) o-Xylene	13.71	91	4189888	8.336	ppbv	100
61) Styrene	13.55	104	2278237	8.598	ppbv	100
62) Isopropylbenzene	14.68	105	6004890	8.382	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2900146	8.874	ppbv	100
64) n-propylbenzene	15.58	120	1625051	8.894	ppbv	97
65) tert-Butylbenzene	16.76	119	5477477	8.436	ppbv	99
66) Benzyl Chloride	17.01	91	111488m	3.934	ppbv	
67) sec-Butylbenzene	17.31	105	7325724	8.492	ppbv	99
69) p-Isopropyltoluene	17.67	119	6372788	8.837	ppbv	100
70) n-Butylbenzene	18.57	91	6043276	9.159	ppbv	99
71) 2-Chlorotoluene	15.47	91	4409029	8.627	ppbv	99
72) 4-Ethyltoluene	15.86	105	5117686	8.765	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4604742	8.315	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4858950	8.623	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	3032645	8.741	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3000625	8.707	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2988659	8.736	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2043496	8.426	ppbv	99
79) Naphthalene	22.22	128	3852957	11.360	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	819412	9.986	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	2249952	10.429	ppbv	96

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

