

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037128.D
 Acq On : 8 Jun 2021 11:41
 Operator : SY/AP
 Sample : VL0608ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0608ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:23:15 PM

Quant Time: Jun 09 01:32:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1411372	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4333934	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4189161m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3187803	10.13	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2256328	9.424	ppbv	100
3) Chlorodifluoromethane	2.98	51	2711284	10.486	ppbv	96
4) Chloromethane	3.14	50	946585	10.758	ppbv	97
5) Vinyl Chloride	3.25	62	977441	10.163	ppbv	99
6) Bromomethane	3.47	94	607334	11.984	ppbv	94
7) Chloroethane	3.56	64	366669	11.742	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2526987	11.241	ppbv	96
9) Propene	3.01	41	866837	9.362	ppbv	98
10) Heptane	8.12	43	2249279	9.748	ppbv	100
11) Trichlorofluoromethane	3.95	101	2720098	12.274	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1856925	11.763	ppbv	96
13) Ethanol	3.61	45	86148	6.974	ppbv	85
14) Bromoethene	3.74	108	802602	11.543	ppbv	99
15) Acetone	3.85	43	1342514	9.287	ppbv	96
16) 1,3-Butadiene	3.32	39	993639	11.063	ppbv	97
17) tert-Butyl alcohol	4.29	59	1512395	11.421	ppbv	100
18) 1,1-Dichloroethene	4.29	96	832455	11.404	ppbv	97
19) Isopropyl Alcohol	3.96	45	805929	10.371	ppbv #	36
20) Methylene Chloride	4.34	84	657415	8.484	ppbv	98
21) Allyl Chloride	4.41	41	1221732	11.203	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	862126	12.324	ppbv	98
23) Vinyl Acetate	5.07	43	2449805	10.677	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1781746	10.788	ppbv	100
25) Ethyl Acetate	5.67	43	3522948	10.142	ppbv	100
26) Hexane	5.68	57	1679083	9.462	ppbv	97
27) Carbon Disulfide	4.55	76	1921142	10.741	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2113333	9.935	ppbv	99
29) Chloroform	5.75	83	2769794	11.048	ppbv	98
30) Cyclohexane	7.13	84	1521538	10.089	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1717755	10.796	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2898343	10.766	ppbv	99
34) 2-Butanone	5.24	43	1687978	10.696	ppbv	98
35) Carbon Tetrachloride	7.01	117	3110687	10.802	ppbv	99
36) Benzene	6.89	78	3537026	9.475	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2102909	11.362	ppbv	98
38) Trichloroethene	7.83	130	1550092	9.707	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1345426	9.356	ppbv	96
40) 1,4-Dioxane	7.83	88	340727	10.035	ppbv #	100
41) Tetrahydrofuran	6.05	42	825819	9.188	ppbv	97
42) Bromodichloromethane	7.79	83	3084841	11.017	ppbv	98
43) Methyl Methacrylate	8.01	69	1320258	10.261	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037128.D
 Acq On : 8 Jun 2021 11:41
 Operator : SY/AP
 Sample : VL0608ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0608ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:23:15 PM

Quant Time: Jun 09 01:32:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5800495	9.057	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1282711	13.049	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1617074	12.230	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1555238	10.333	ppbv	99
48) Dibromochloromethane	10.30	129	2757315	11.314	ppbv	99
49) Bromoform	13.04	173	2307292	11.464	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2539743	9.753	ppbv	99
51) 2-Hexanone	10.13	43	1345418	9.773	ppbv #	97
52) Tetrachloroethene	11.22	164	1501910	10.118	ppbv	95
53) Toluene	9.80	91	4325166	9.737	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2331070	10.894	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1900294	10.781	ppbv #	56
57) Chlorobenzene	12.14	112	3336008	10.270	ppbv	97
58) Ethyl Benzene	12.71	91	5792610	9.797	ppbv	99
59) m/p-Xylene	12.99	91	9777326m	20.006	ppbv	
60) o-Xylene	13.69	91	4647037	9.970	ppbv	99
61) Styrene	13.52	104	2721290	10.363	ppbv	98
62) Isopropylbenzene	14.66	105	6572111	9.811	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3135740	9.008	ppbv	98
64) n-propylbenzene	15.56	120	1782158	10.311	ppbv	99
65) tert-Butylbenzene	16.74	119	5974170	9.883	ppbv	99
66) Benzyl Chloride	16.98	91	294887	8.792	ppbv	97
67) sec-Butylbenzene	17.29	105	7958428	9.651	ppbv	99
69) p-Isopropyltoluene	17.65	119	6880288	9.704	ppbv	99
70) n-Butylbenzene	18.55	91	6504049	9.657	ppbv	99
71) 2-Chlorotoluene	15.45	91	4814964	9.952	ppbv	98
72) 4-Ethyltoluene	15.84	105	5705290	10.313	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5226321	10.060	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	5379226	10.014	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	3352065	10.219	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	3189020	9.616	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3213201	9.776	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2055891	7.779	ppbv	99
79) Naphthalene	22.19	128	4000609	9.492	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	933208	10.182	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	2281448	8.880	ppbv	100

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

