

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037064.D
 Acq On : 1 Jun 2021 9:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 2:58:18 PM

Quant Time: Jun 02 03:07:35 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	5.65	49	1466062	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4415669	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4112955m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3276342	10.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2152952	8.657	ppbv	99
3) Chlorodifluoromethane	2.97	51	2711873	10.097	ppbv	95
4) Chloromethane	3.12	50	953951	10.438	ppbv	99
5) Vinyl Chloride	3.24	62	1001853	10.028	ppbv	99
6) Bromomethane	3.46	94	572355	10.873	ppbv	100
7) Chloroethane	3.54	64	368281	11.353	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2524689	10.812	ppbv	96
9) Propene	3.00	41	888532	9.239	ppbv	99
10) Heptane	8.10	43	2262377	9.439	ppbv	100
11) Trichlorofluoromethane	3.93	101	2695584	11.709	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1846898	11.263	ppbv	96
13) Ethanol	3.60	45	122885m	9.576	ppbv	
14) Bromoethene	3.73	108	819014	11.340	ppbv	99
15) Acetone	3.84	43	1329850	8.856	ppbv	97
16) 1,3-Butadiene	3.31	39	999860	10.717	ppbv	96
17) tert-Butyl alcohol	4.27	59	1499011	10.898	ppbv	99
18) 1,1-Dichloroethene	4.27	96	819582	10.809	ppbv	99
19) Isopropyl Alcohol	3.95	45	894561	11.082	ppbv #	34
20) Methylene Chloride	4.33	84	700645	8.704	ppbv	99
21) Allyl Chloride	4.39	41	1240227	10.948	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	826704	11.376	ppbv	99
23) Vinyl Acetate	5.06	43	2341698	9.825	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1786837	10.415	ppbv	99
25) Ethyl Acetate	5.66	43	3484453	9.657	ppbv	100
26) Hexane	5.67	57	1681197	9.120	ppbv	97
27) Carbon Disulfide	4.53	76	2009044	10.814	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2171726	9.829	ppbv	99
29) Chloroform	5.73	83	2809933	10.790	ppbv	97
30) Cyclohexane	7.11	84	1514101	9.666	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1690570	10.229	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2943788	10.527	ppbv	99
34) 2-Butanone	5.23	43	1627987	10.125	ppbv	98
35) Carbon Tetrachloride	7.00	117	3144635	10.718	ppbv	99
36) Benzene	6.87	78	3566689	9.377	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2080966	11.036	ppbv	99
38) Trichloroethene	7.81	130	1490590	9.161	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1373809	9.376	ppbv	96
40) 1,4-Dioxane	7.82	88	338593	9.787	ppbv #	100
41) Tetrahydrofuran	6.03	42	804556	8.786	ppbv	97
42) Bromodichloromethane	7.77	83	3037491	10.647	ppbv	97
43) Methyl Methacrylate	8.00	69	1318019	10.054	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037064.D
 Acq On : 1 Jun 2021 9:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 2:58:18 PM

Quant Time: Jun 02 03:07:35 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	7.85	57	5874505	9.003	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1045903	10.443	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1359413	10.091	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	1533544	10.000	ppbv	99
48) Dibromochloromethane	10.28	129	2802420	11.286	ppbv	100
49) Bromoform	13.02	173	2342395	11.423	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2542238	9.582	ppbv	99
51) 2-Hexanone	10.12	43	1363855	9.724	ppbv #	96
52) Tetrachloroethene	11.20	164	1479086	9.779	ppbv	96
53) Toluene	9.78	91	4305492	9.514	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2297421	10.538	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1893140	10.939	ppbv #	56
57) Chlorobenzene	12.12	112	3264529	10.237	ppbv	99
58) Ethyl Benzene	12.69	91	5743317	9.894	ppbv	100
59) m/p-Xylene	12.97	91	9722944m	20.263	ppbv	
60) o-Xylene	13.67	91	4623226	10.102	ppbv	99
61) Styrene	13.50	104	2697242	10.462	ppbv	98
62) Isopropylbenzene	14.64	105	6527758	9.925	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3160732	9.248	ppbv	99
64) n-propylbenzene	15.54	120	1790561	10.552	ppbv	99
65) tert-Butylbenzene	16.72	119	6014215	10.134	ppbv	98
66) Benzyl Chloride	16.97	91	355979m	10.811	ppbv	
67) sec-Butylbenzene	17.27	105	8059464	9.955	ppbv	99
69) p-Isopropyltoluene	17.63	119	7174223	10.306	ppbv	99
70) n-Butylbenzene	18.53	91	6912098	10.453	ppbv	100
71) 2-Chlorotoluene	15.43	91	4831853	10.172	ppbv	99
72) 4-Ethyltoluene	15.82	105	5716737	10.525	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5271378	10.335	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5473116	10.378	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	3448790	10.709	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	3383359	10.391	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3364760	10.427	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2436169	9.389	ppbv	100
79) Naphthalene	22.17	128	4809331	11.622	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	864546	9.608	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2761443m	10.947	ppbv	

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

