

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037344.D
 Acq On : 6 Aug 2021 13:48
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:09:27 PM

Quant Time: Aug 06 16:27:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 06
 QLast Update : Fri Aug 06 15:47:06 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	891586	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3061913	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2780145	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1957721	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	234890	1.184 ppbv	96
3) Chlorodifluoromethane	2.98	51	183701	0.992 ppbv	99
4) Chloromethane	3.13	50	60835	0.928 ppbv #	86
5) Vinyl Chloride	3.25	62	61082	0.889 ppbv #	87
6) Bromomethane	3.47	94	35063	0.831 ppbv	94
7) Chloroethane	3.55	64	23175	0.942 ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	177324	0.997 ppbv	97
9) Propene	3.00	41	56518	0.856 ppbv	94
10) Heptane	8.11	43	137508	0.887 ppbv	95
11) Trichlorofluoromethane	3.94	101	181698	1.049 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	135189	1.076 ppbv	99
13) Ethanol	3.63	45	12652m	1.268 ppbv	
14) Bromoethene	3.74	108	53383	0.961 ppbv	94
15) Acetone	3.86	43	96661	0.984 ppbv #	63
16) 1,3-Butadiene	3.32	39	61314	0.964 ppbv	97
17) tert-Butyl alcohol	4.32	59	108430m	1.097 ppbv	
18) 1,1-Dichloroethene	4.28	96	55591	0.972 ppbv	92
19) Isopropyl Alcohol	4.00	45	63331m	1.164 ppbv	
20) Methylene Chloride	4.34	84	96588	1.187 ppbv	90
21) Allyl Chloride	4.40	41	73302	0.923 ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	53819	1.023 ppbv	95
23) Vinyl Acetate	5.08	43	112352	0.762 ppbv #	96
24) 1,1-Dichloroethane	5.00	63	110665	0.881 ppbv #	96
25) Ethyl Acetate	5.68	43	235377	0.924 ppbv	99
26) Hexane	5.67	57	147360m	1.036 ppbv	
27) Carbon Disulfide	4.55	76	100844	0.858 ppbv	96
28) Methyl tert-Butyl Ether	5.04	73	128414	0.863 ppbv	97
29) Chloroform	5.74	83	186370	1.018 ppbv	93
30) Cyclohexane	7.12	84	96345	0.874 ppbv	93
31) cis-1,2-Dichloroethene	5.54	61	95449	0.858 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	176190	1.009 ppbv	98
34) 2-Butanone	5.26	43	119307m	1.128 ppbv	
35) Carbon Tetrachloride	7.01	117	179473	0.960 ppbv	100
36) Benzene	6.88	78	234874	0.850 ppbv	96
37) 1,2-Dichloroethane	6.30	62	121621	0.941 ppbv	98
38) Trichloroethene	7.82	130	99334	0.819 ppbv	94
39) 1,2-Dichloropropane	7.60	63	86047	0.838 ppbv	96
40) 1,4-Dioxane	7.87	88	28326m	0.947 ppbv	
41) Tetrahydrofuran	6.07	42	50377m	0.860 ppbv	
42) Bromodichloromethane	7.78	83	162728	0.841 ppbv	95
43) Methyl Methacrylate	8.01	69	68788	0.735 ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037344.D
 Acq On : 6 Aug 2021 13:48
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:09:27 PM

Quant Time: Aug 06 16:27:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 15:47:06 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	401910	0.879	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	36318	0.513	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	53004	0.519	ppbv #	83
47) 1,1,2-Trichloroethane	9.46	97	96803	0.874	ppbv	96
48) Dibromochloromethane	10.29	129	138449m	0.831	ppbv	
49) Bromoform	13.02	173	91763	0.725	ppbv	96
50) 4-Methyl-2-Pentanone	8.76	43	124389	0.759	ppbv	97
51) 2-Hexanone	10.17	43	62934m	0.842	ppbv	
52) Tetrachloroethene	11.21	164	101979	0.850	ppbv	96
53) Toluene	9.80	91	270165	0.824	ppbv	100
54) 1,2-Dibromoethane	10.60	107	131657	0.857	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	114942	0.920	ppbv #	1
57) Chlorobenzene	12.13	112	222248	0.921	ppbv	98
58) Ethyl Benzene	12.70	91	356587	0.855	ppbv	98
59) m/p-Xylene	12.97	91	623046m	1.775	ppbv	
60) o-Xylene	13.67	91	300773	0.926	ppbv	99
61) Styrene	13.51	104	131078	0.742	ppbv	95
62) Isopropylbenzene	14.65	105	436785	0.928	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	200717	0.870	ppbv	96
64) n-propylbenzene	15.54	120	105178	0.860	ppbv	82
65) tert-Butylbenzene	16.73	119	398058	0.925	ppbv	98
66) Benzyl Chloride	16.97	91	14303m	0.891	ppbv	
67) sec-Butylbenzene	17.28	105	514788	0.888	ppbv	100
69) p-Isopropyltoluene	17.64	119	430293	0.880	ppbv	99
70) n-Butylbenzene	18.54	91	372669	0.837	ppbv	98
71) 2-Chlorotoluene	15.44	91	281873	0.858	ppbv	97
72) 4-Ethyltoluene	15.82	105	327584	0.841	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	306282	0.874	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	340634	0.915	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	211063m	0.922	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	181696	0.800	ppbv	91
77) 1,2-Dichlorobenzene	17.80	146	207973m	0.937	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	174273	0.890	ppbv	98
79) Naphthalene	22.19	128	179688m	0.561	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	24106m	0.483	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	128655	0.678	ppbv	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080621\
Data File : VL037344.D
Acq On : 6 Aug 2021 13:48
Operator : SY/AP
Sample : VSTDIC001
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

MMDadoda
8/10/2021 6:09:27 PM

Quant Time: Aug 06 16:27:55 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 06 15:47:06 2021
Response via : Initial Calibration

