

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037282.D
 Acq On : 27 Jul 2021 4:31
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:36 AM

Quant Time: Jul 27 07:03:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1293404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3832818	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3430177	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2656927	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	154035	0.675	ppbv	99
3) Chlorodifluoromethane	2.99	51	139787	0.551	ppbv	98
4) Chloromethane	3.14	50	43321	0.513	ppbv	97
5) Vinyl Chloride	3.26	62	46813m	0.509	ppbv	
6) Bromomethane	3.47	94	27165	0.500	ppbv	93
7) Chloroethane	3.56	64	18317m	0.546	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	122467	0.525	ppbv	95
9) Propene	3.01	41	41910	0.519	ppbv	89
10) Heptane	8.12	43	90005	0.458	ppbv	91
11) Trichlorofluoromethane	3.95	101	126393	0.519	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	95702	0.556	ppbv	98
13) Ethanol	3.63	45	10326m	0.844	ppbv	
14) Bromoethene	3.74	108	35568	0.498	ppbv #	91
15) Acetone	3.87	43	153047	1.021	ppbv #	75
16) 1,3-Butadiene	3.32	39	46242m	0.531	ppbv	
17) tert-Butyl alcohol	4.32	59	79686m	0.587	ppbv	
18) 1,1-Dichloroethene	4.29	96	38908	0.509	ppbv	93
19) Isopropyl Alcohol	3.99	45	47274m	0.543	ppbv	
20) Methylene Chloride	4.35	84	54135	0.609	ppbv	86
21) Allyl Chloride	4.41	41	58260m	0.520	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	33543	0.445	ppbv #	74
23) Vinyl Acetate	5.08	43	94290	0.448	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	87090	0.510	ppbv	96
25) Ethyl Acetate	5.69	43	143970	0.452	ppbv #	97
26) Hexane	5.69	57	77864	0.485	ppbv #	91
27) Carbon Disulfide	4.56	76	60768	0.383	ppbv #	81
28) Methyl tert-Butyl Ether	5.05	73	93100	0.482	ppbv	93
29) Chloroform	5.75	83	126550	0.506	ppbv	96
30) Cyclohexane	7.14	84	66496m	0.497	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	66958	0.452	ppbv #	87
32) 1,1,1-Trichloroethane	6.51	97	122968	0.462	ppbv	97
34) 2-Butanone	5.26	43	84847	0.558	ppbv #	86
35) Carbon Tetrachloride	7.02	117	127036	0.488	ppbv	96
36) Benzene	6.89	78	143682	0.461	ppbv	96
37) 1,2-Dichloroethane	6.31	62	89767	0.489	ppbv	99
38) Trichloroethene	7.83	130	66617m	0.449	ppbv	
39) 1,2-Dichloropropane	7.61	63	51371	0.443	ppbv	95
40) 1,4-Dioxane	7.88	88	17007m	0.542	ppbv	
41) Tetrahydrofuran	6.08	42	29250m	0.418	ppbv	
42) Bromodichloromethane	7.79	83	115130	0.459	ppbv	94
43) Methyl Methacrylate	8.03	69	45763m	0.424	ppbv	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037282.D
 Acq On : 27 Jul 2021 4:31
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:36 AM

Quant Time: Jul 27 07:03:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.88	57	256435m	0.487	ppbv	
45) t-1,3-Dichloropropene	9.28	75	27781m	0.299	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	45910m	0.359	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	61283	0.462	ppbv	95
48) Dibromochloromethane	10.31	129	79353	0.376	ppbv	93
49) Bromoform	13.04	173	55946	0.352	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	91247m	0.436	ppbv	
51) 2-Hexanone	10.17	43	41144m	0.402	ppbv	
52) Tetrachloroethene	11.22	164	63174	0.437	ppbv	89
53) Toluene	9.81	91	159548	0.427	ppbv	98
54) 1,2-Dibromoethane	10.61	107	89804	0.470	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.13	131	74329	0.488	ppbv #	1
57) Chlorobenzene	12.15	112	147523	0.525	ppbv	96
58) Ethyl Benzene	12.71	91	220444	0.463	ppbv	97
59) m/p-Xylene	13.00	91	399013m	0.985	ppbv	
60) o-Xylene	13.70	91	195814	0.506	ppbv	99
61) Styrene	13.53	104	74763	0.378	ppbv	96
62) Isopropylbenzene	14.67	105	276921	0.503	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	138101m	0.535	ppbv	
64) n-propylbenzene	15.57	120	61512	0.448	ppbv #	63
65) tert-Butylbenzene	16.75	119	245736	0.501	ppbv	92
66) Benzyl Chloride	17.01	91	10091m	0.483	ppbv	
67) sec-Butylbenzene	17.30	105	314850	0.482	ppbv	99
69) p-Isopropyltoluene	17.66	119	263039	0.477	ppbv	97
70) n-Butylbenzene	18.56	91	249576	0.489	ppbv	99
71) 2-Chlorotoluene	15.45	91	193859	0.502	ppbv	99
72) 4-Ethyltoluene	15.85	105	205716	0.467	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	187165	0.439	ppbv	92
74) 1,2,4-Trimethylbenzene	16.77	105	229604	0.523	ppbv #	89
75) 1,3-Dichlorobenzene	17.00	146	132437	0.497	ppbv	95
76) 1,4-Dichlorobenzene	17.15	146	133057m	0.501	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	127169	0.492	ppbv	94
78) Hexachloro-1,3-Butadiene	23.38	225	110261m	0.513	ppbv	
79) Naphthalene	22.21	128	129376m	0.376	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	28261m	0.342	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	86933m	0.431	ppbv	

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

