

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090321\
 Data File : VL037517.D
 Acq On : 3 Sep 2021 12:35
 Operator : SY/AP
 Sample : VL0903ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:47:16 AM

Quant Time: Sep 04 04:21:24 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021

QLast Update : Tue Aug 17 02:13:47 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.661	49	1437074	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.169	114	4250880	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.076	117	3801407	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 2790406 10.332 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	2161637	9.375	ppbv	97
3) Chlorodifluoromethane	2.986	51	2833729	10.298	ppbv	100
4) Chloromethane	3.140	50	1053958	10.718	ppbv	92
5) Vinyl Chloride	3.256	62	1069339	10.614	ppbv	96
6) Bromomethane	3.468	94	603263	10.931	ppbv	97
7) Chloroethane	3.555	64	359934	10.468	ppbv	98
8) Dichlorotetrafluoroethane	3.186	85	2397044	10.070	ppbv	98
9) Propene	3.009	41	970976	9.862	ppbv	94
10) Heptane	8.118	43	2541120	11.213	ppbv	100
11) Trichlorofluoromethane	3.948	101	2260140	10.442	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.481	101	1647777	10.375	ppbv	100
13) Ethanol	3.603	45	118130m	12.330	ppbv	
14) Bromoethene	3.735	108	763684	10.591	ppbv	98
15) Acetone	3.845	43	1220248	8.343	ppbv	98
16) 1,3-Butadiene	3.324	39	1014691	10.816	ppbv	99
17) tert-Butyl alcohol	4.279	59	1550667	11.606	ppbv	98
18) 1,1-Dichloroethene	4.285	96	728879	10.103	ppbv	94
19) Isopropyl Alcohol	3.957	45	906218	10.816	ppbv #	99
20) Methylene Chloride	4.340	84	648138	8.851	ppbv	96
21) Allyl Chloride	4.407	41	1226550	10.325	ppbv	95
22) trans-1,2-Dichloroethene	4.880	96	784746	10.902	ppbv	97
23) Vinyl Acetate	5.066	43	2552371	11.840	ppbv	98
24) 1,1-Dichloroethane	5.009	63	1669630	10.679	ppbv	99
25) Ethyl Acetate	5.671	43	4062276	10.941	ppbv	100
26) Hexane	5.684	57	1909655	10.520	ppbv	99
27) Carbon Disulfide	4.546	76	1830042	11.312	ppbv	99
28) Methyl tert-Butyl Ether	5.028	73	1965864	11.276	ppbv	100
29) Chloroform	5.748	83	2719665	10.571	ppbv	99
30) Cyclohexane	7.127	84	1618670	10.702	ppbv	99
31) cis-1,2-Dichloroethene	5.546	61	1784160	10.859	ppbv	99
32) 1,1,1-Trichloroethane	6.507	97	2673651	10.577	ppbv	99
34) 2-Butanone	5.240	43	1750694	10.085	ppbv	94
35) Carbon Tetrachloride	7.012	117	2721603	10.833	ppbv	99
36) Benzene	6.886	78	3958951	11.079	ppbv	100
37) 1,2-Dichloroethane	6.301	62	1960253	11.074	ppbv	99
38) Trichloroethene	7.828	130	1536288	10.478	ppbv	98
39) 1,2-Dichloropropane	7.607	63	1504137	10.954	ppbv	96
40) 1,4-Dioxane	7.822	88	397676m	11.821	ppbv	
41) Tetrahydrofuran	6.047	42	936682	11.201	ppbv	99
42) Bromodichloromethane	7.783	83	2900412	11.206	ppbv	98
43) Methyl Methacrylate	8.008	69	1433091	11.506	ppbv	99
44) 2,2,4-Trimethylpentane	7.864	57	6491777	10.794	ppbv	100
45) t-1,3-Dichloropropene	9.272	75	1261820	13.458	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090321\
 Data File : VL037517.D
 Acq On : 3 Sep 2021 12:35
 Operator : SY/AP
 Sample : VL0903ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:47:16 AM

Quant Time: Sep 04 04:21:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	1672337	12.786	ppbv	95
47) 1,1,2-Trichloroethane	9.465	97	1595530	10.754	ppbv	99
48) Dibromochloromethane	10.298	129	2505943	11.737	ppbv	100
49) Bromoform	13.031	173	1970921	11.710	ppbv	99
50) 4-Methyl-2-Pentanone	8.735	43	2617592	11.559	ppbv	98
51) 2-Hexanone	10.127	43	1218353	11.697	ppbv #	98
52) Tetrachloroethene	11.214	164	1475968	10.079	ppbv	99
53) Toluene	9.799	91	4624611	11.334	ppbv	99
54) 1,2-Dibromoethane	10.606	107	2299405	11.101	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.118	131	1690195	10.670	ppbv	99
57) Chlorobenzene	12.140	112	3290724	10.431	ppbv	100
58) Ethyl Benzene	12.700	91	5789335	10.974	ppbv	99
59) m/p-Xylene	12.986	91	9743806m	21.306	ppbv	
60) o-Xylene	13.683	91	4423952	10.364	ppbv	98
61) Styrene	13.516	104	2530944	11.414	ppbv	99
62) Isopropylbenzene	14.658	105	6349871	10.541	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.667	83	3210620	10.120	ppbv	98
64) n-propylbenzene	15.552	120	1698212	11.077	ppbv	95
65) tert-Butylbenzene	16.735	119	5503666	10.031	ppbv	99
66) Benzyl Chloride	16.976	91	320450	12.912	ppbv	98
67) sec-Butylbenzene	17.285	105	7667933	10.002	ppbv	99
69) p-Isopropyltoluene	17.642	119	6394786	10.237	ppbv	100
70) n-Butylbenzene	18.539	91	6196263	10.379	ppbv	100
71) 2-Chlorotoluene	15.445	91	4571206	10.347	ppbv	100
72) 4-Ethyltoluene	15.831	105	5496352	10.826	ppbv	100
73) 1,3,5-Trimethylbenzene	15.989	105	4807402	10.172	ppbv	99
74) 1,2,4-Trimethylbenzene	16.751	105	4986092	9.928	ppbv	98
75) 1,3-Dichlorobenzene	16.989	146	3013895	9.970	ppbv	99
76) 1,4-Dichlorobenzene	17.127	146	2960576	9.722	ppbv	97
77) 1,2-Dichlorobenzene	17.806	146	2919693	9.809	ppbv	100
78) Hexachloro-1,3-Butadiene	23.362	225	2571615	10.391	ppbv	99
79) Naphthalene	22.178	128	4773293	14.203	ppbv	97
80) Naphthalene,2-methyl-	24.956	142	1104057	11.792	ppbv	97
81) 1,2,4-Trichlorobenzene	21.908	180	2636675	12.503	ppbv	99

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

