

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037619.D
 Acq On : 16 Sep 2021 16:53
 Operator : SY/AP
 Sample : VL0916ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:27:05 PM

Quant Time: Sep 17 05:40:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 17 05:40:54 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1573535	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4804195	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4308944m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3156331	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2029432	7.127	ppbv	99
3) Chlorodifluoromethane	2.98	51	2843234	9.580	ppbv	99
4) Chloromethane	3.13	50	1058973	9.657	ppbv	99
5) Vinyl Chloride	3.25	62	1058544	10.277	ppbv	95
6) Bromomethane	3.46	94	606735	10.135	ppbv	94
7) Chloroethane	3.55	64	359081	9.328	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2379116	9.686	ppbv	99
9) Propene	3.00	41	1034317	9.879	ppbv	97
10) Heptane	8.11	43	2588683	10.596	ppbv	100
11) Trichlorofluoromethane	3.94	101	2242414	9.809	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1687760	10.002	ppbv	100
13) Ethanol	3.60	45	100417m	9.806	ppbv	
14) Bromoethene	3.73	108	751251	9.781	ppbv	99
15) Acetone	3.84	43	1274471	7.795	ppbv	99
16) 1,3-Butadiene	3.32	39	1055792	10.335	ppbv	98
17) tert-Butyl alcohol	4.27	59	1572249	11.341	ppbv	99
18) 1,1-Dichloroethene	4.28	96	782883	9.960	ppbv	99
19) Isopropyl Alcohol	3.95	45	918497	10.325	ppbv	# 97
20) Methylene Chloride	4.33	84	663457	8.500	ppbv	98
21) Allyl Chloride	4.40	41	1262880	10.340	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	803734	10.163	ppbv	95
23) Vinyl Acetate	5.06	43	2117386	9.359	ppbv	# 99
24) 1,1-Dichloroethane	5.00	63	1575155	9.719	ppbv	97
25) Ethyl Acetate	5.66	43	4045857	10.218	ppbv	100
26) Hexane	5.67	57	1881280	10.002	ppbv	98
27) Carbon Disulfide	4.54	76	1942886	11.291	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1663255	10.039	ppbv	98
29) Chloroform	5.74	83	2619824	9.539	ppbv	99
30) Cyclohexane	7.11	84	1589000	9.878	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1786323	10.461	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2623956	10.262	ppbv	99
34) 2-Butanone	5.23	43	1747850	8.953	ppbv	99
35) Carbon Tetrachloride	7.00	117	2690988	9.902	ppbv	99
36) Benzene	6.88	78	3982468	9.941	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1911997	9.704	ppbv	100
38) Trichloroethene	7.82	130	1547210	9.246	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1489498	9.707	ppbv	97
40) 1,4-Dioxane	7.81	88	390315m	10.458	ppbv	
41) Tetrahydrofuran	6.03	42	933289	10.169	ppbv	99
42) Bromodichloromethane	7.77	83	2857521	10.119	ppbv	97
43) Methyl Methacrylate	8.00	69	1426025	10.700	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037619.D
 Acq On : 16 Sep 2021 16:53
 Operator : SY/AP
 Sample : VL0916ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:27:05 PM

Quant Time: Sep 17 05:40:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 17 05:40:54 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6532941	9.700	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1202285	11.485	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1633325	11.551	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1579746	9.307	ppbv	97
48) Dibromochloromethane	10.28	129	2428173	10.255	ppbv	98
49) Bromoform	13.02	173	1872342	9.880	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2540483	10.252	ppbv	100
51) 2-Hexanone	10.12	43	1162375	10.632	ppbv #	100
52) Tetrachloroethene	11.20	164	1439644	9.361	ppbv	99
53) Toluene	9.79	91	4542723	10.202	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2256420	9.709	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1663858	9.309	ppbv #	91
57) Chlorobenzene	12.13	112	3188505	8.901	ppbv	100
58) Ethyl Benzene	12.69	91	5689462	9.947	ppbv	99
59) m/p-Xylene	12.98	91	9497726m	19.054	ppbv	
60) o-Xylene	13.67	91	4424068	9.325	ppbv	98
61) Styrene	13.51	104	2457374	10.504	ppbv	99
62) Isopropylbenzene	14.65	105	6063768	9.149	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	3053948	8.225	ppbv	99
64) n-propylbenzene	15.54	120	1619122m	9.467	ppbv	
65) tert-Butylbenzene	16.73	119	5355997	8.963	ppbv	99
66) Benzyl Chloride	16.97	91	331910	10.164	ppbv	95
67) sec-Butylbenzene	17.27	105	7471938	9.216	ppbv	99
69) p-Isopropyltoluene	17.63	119	6268611	9.464	ppbv	100
70) n-Butylbenzene	18.53	91	6119777	9.765	ppbv	100
71) 2-Chlorotoluene	15.43	91	4376810	9.215	ppbv	98
72) 4-Ethyltoluene	15.82	105	5189164	9.528	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4659638	9.179	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4894478	9.154	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2898255	8.724	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2802548	8.554	ppbv	96
77) 1,2-Dichlorobenzene	17.79	146	2809799	8.918	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2349304	8.859	ppbv	99
79) Naphthalene	22.17	128	4125829	12.567	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1199253	15.982	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	2380355	11.293	ppbv	98

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

