

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037755.D
 Acq On : 1 Oct 2021 23:46
 Operator : SY/AP
 Sample : VL1001ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 5:50:20 PM

Quant Time: Oct 02 19:37:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 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	1446927	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4261183	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3861038	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2708513	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1770105m	6.761	ppbv
3) Chlorodifluoromethane	2.98	51	2528354	9.264	ppbv 100
4) Chloromethane	3.13	50	959029	9.511	ppbv 95
5) Vinyl Chloride	3.25	62	945717	9.985	ppbv 99
6) Bromomethane	3.47	94	525758	9.551	ppbv 95
7) Chloroethane	3.55	64	331982	9.379	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2142185	9.484	ppbv 99
9) Propene	3.00	41	897131	9.319	ppbv 97
10) Heptane	8.11	43	2305871	10.265	ppbv 100
11) Trichlorofluoromethane	3.94	101	1965777	9.352	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1445251	9.315	ppbv 100
13) Ethanol	3.60	45	98909m	10.504	ppbv
14) Bromoethene	3.73	108	665479	9.422	ppbv 98
15) Acetone	3.84	43	1177538	7.833	ppbv 99
16) 1,3-Butadiene	3.32	39	918743	9.780	ppbv 100
17) tert-Butyl alcohol	4.28	59	1278907	10.032	ppbv 99
18) 1,1-Dichloroethene	4.28	96	678564	9.388	ppbv 99
19) Isopropyl Alcohol	3.96	45	770375	9.418	ppbv # 97
20) Methylene Chloride	4.34	84	555061	7.734	ppbv 96
21) Allyl Chloride	4.40	41	1102316	9.815	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	689823	9.486	ppbv 97
23) Vinyl Acetate	5.06	43	2062289	9.913	ppbv 97
24) 1,1-Dichloroethane	5.00	63	1384899	9.293	ppbv 99
25) Ethyl Acetate	5.66	43	3545957	9.739	ppbv 100
26) Hexane	5.67	57	1653255	9.559	ppbv 97
27) Carbon Disulfide	4.54	76	1575385	9.957	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1404049	9.216	ppbv 99
29) Chloroform	5.74	83	2383595	9.438	ppbv 97
30) Cyclohexane	7.11	84	1402085	9.478	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1583261	10.083	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	2267854	9.645	ppbv 99
34) 2-Butanone	5.23	43	1578079	9.113	ppbv 99
35) Carbon Tetrachloride	7.01	117	2353113	9.762	ppbv 99
36) Benzene	6.88	78	3478602	9.790	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1674935	9.584	ppbv 99
38) Trichloroethene	7.82	130	1352222	9.110	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1314784	9.661	ppbv 96
40) 1,4-Dioxane	7.82	88	310235	9.371	ppbv # 1
41) Tetrahydrofuran	6.03	42	815923	10.023	ppbv 99
42) Bromodichloromethane	7.78	83	2491043	9.945	ppbv 99
43) Methyl Methacrylate	8.00	69	1217188	10.297	ppbv 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037755.D
 Acq On : 1 Oct 2021 23:46
 Operator : SY/AP
 Sample : VL1001ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 5:50:20 PM

Quant Time: Oct 02 19:37:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 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	7.86	57	5774105	9.666	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1071447	11.539	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1443949	11.513	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1376424	9.143	ppbv	98
48) Dibromochloromethane	10.28	129	2111860	10.055	ppbv	99
49) Bromoform	13.02	173	1639885	9.756	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2228755	10.140	ppbv	99
51) 2-Hexanone	10.12	43	1046375	10.790	ppbv #	100
52) Tetrachloroethene	11.20	164	1246712	9.139	ppbv	98
53) Toluene	9.79	91	3988970	10.100	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1960263	9.509	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1465202	9.149	ppbv #	50
57) Chlorobenzene	12.13	112	2842218	8.855	ppbv	98
58) Ethyl Benzene	12.69	91	4986756	9.730	ppbv	99
59) m/p-Xylene	12.98	91	8312759m	18.612	ppbv	
60) o-Xylene	13.67	91	3848674	9.053	ppbv	98
61) Styrene	13.51	104	2161422	10.311	ppbv	98
62) Isopropylbenzene	14.65	105	5322494	8.962	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2715914	8.163	ppbv	99
64) n-propylbenzene	15.54	120	1401420	9.145	ppbv	82
65) tert-Butylbenzene	16.72	119	4735938	8.845	ppbv	100
66) Benzyl Chloride	16.96	91	270998	9.261	ppbv	97
67) sec-Butylbenzene	17.27	105	6566711	9.039	ppbv	98
69) p-Isopropyltoluene	17.63	119	5493580	9.256	ppbv	100
70) n-Butylbenzene	18.53	91	5414106	9.641	ppbv	99
71) 2-Chlorotoluene	15.43	91	3860428	9.071	ppbv	98
72) 4-Ethyltoluene	15.82	105	4671066	9.572	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4173944	9.176	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4355203	9.090	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2594336	8.716	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2497641	8.507	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2493129	8.831	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2040519	8.587	ppbv	99
79) Naphthalene	22.17	128	3572835	12.145	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	918660	13.662	ppbv	100
81) 1,2,4-Trichlorobenzene	21.90	180	2075726	10.990	ppbv	99

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

