

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036748.D
 Acq On : 8 Apr 2021 12:47
 Operator : SY/AP
 Sample : VL0408ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0408ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:46:31 AM

Quant Time: Apr 09 08:51:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1247021	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3127809	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2978003	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2318203	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1809369	8.896	ppbv	98
3) Chlorodifluoromethane	2.98	51	2311564	9.921	ppbv	100
4) Chloromethane	3.13	50	753165	9.152	ppbv	99
5) Vinyl Chloride	3.25	62	755042	8.923	ppbv	96
6) Bromomethane	3.47	94	394415	8.466	ppbv	97
7) Chloroethane	3.55	64	254334	8.747	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1801471	9.280	ppbv	98
9) Propene	3.00	41	685669	9.231	ppbv	98
10) Heptane	8.12	43	1801054	9.518	ppbv	98
11) Trichlorofluoromethane	3.94	101	1836149	8.858	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1189802	8.978	ppbv	99
13) Ethanol	3.60	45	76696	8.671	ppbv	98
14) Bromoethene	3.74	108	500437	9.083	ppbv	99
15) Acetone	3.84	43	977707	7.966	ppbv	98
16) 1,3-Butadiene	3.32	39	789167	9.236	ppbv	98
17) tert-Butyl alcohol	4.29	59	1024615	9.590	ppbv	100
18) 1,1-Dichloroethene	4.28	96	511839	8.683	ppbv	93
19) Isopropyl Alcohol	3.96	45	586383	8.685	ppbv	98
20) Methylene Chloride	4.34	84	443455	7.717	ppbv	93
21) Allyl Chloride	4.40	41	837956	8.565	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	503720	9.217	ppbv	97
23) Vinyl Acetate	5.07	43	1818250	8.661	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1381085	9.025	ppbv	98
25) Ethyl Acetate	5.67	43	2695584	9.238	ppbv	99
26) Hexane	5.68	57	1255428	9.271	ppbv	99
27) Carbon Disulfide	4.54	76	1292603	9.690	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1426344	8.932	ppbv	99
29) Chloroform	5.74	83	2036490	9.404	ppbv	100
30) Cyclohexane	7.13	84	1118033m	10.181	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	1230483	9.395	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2059698	9.437	ppbv	99
34) 2-Butanone	5.24	43	1258372	8.242	ppbv	98
35) Carbon Tetrachloride	7.01	117	2187552	9.106	ppbv	96
36) Benzene	6.89	78	2689153	9.322	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1541041	9.077	ppbv	99
38) Trichloroethene	7.83	130	986935	8.791	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1050104	8.974	ppbv	94
40) 1,4-Dioxane	7.83	88	258685m	9.498	ppbv	
41) Tetrahydrofuran	6.05	42	527772	7.497	ppbv	92
42) Bromodichloromethane	7.79	83	2175043	9.418	ppbv	99
43) Methyl Methacrylate	8.01	69	1002292	10.347	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036748.D
 Acq On : 8 Apr 2021 12:47
 Operator : SY/AP
 Sample : VL0408ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:46:31 AM

Quant Time: Apr 09 08:51:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4564602	8.991	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	964372	8.719	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1231619	8.711	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1106409	9.335	ppbv	97
48) Dibromochloromethane	10.30	129	1802082	9.974	ppbv	100
49) Bromoform	13.04	173	1507458	10.355	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	1957396	8.860	ppbv	99
51) 2-Hexanone	10.14	43	1015077	9.105	ppbv #	99
52) Tetrachloroethene	11.22	164	914966	8.614	ppbv	99
53) Toluene	9.80	91	3038160	9.890	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1582604	9.455	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1280097	9.504	ppbv	95
57) Chlorobenzene	12.14	112	2295413	9.059	ppbv	97
58) Ethyl Benzene	12.71	91	4135340	9.545	ppbv	99
59) m/p-Xylene	12.99	91	7059154m	18.680	ppbv	
60) o-Xylene	13.69	91	3318436	9.082	ppbv	100
61) Styrene	13.52	104	1794794	9.764	ppbv	100
62) Isopropylbenzene	14.66	105	4627328	9.404	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2457807	8.818	ppbv	99
64) n-propylbenzene	15.56	120	1202817	9.998	ppbv	99
65) tert-Butylbenzene	16.74	119	4038750	9.466	ppbv	100
66) Benzyl Chloride	16.99	91	306856	6.506	ppbv	98
67) sec-Butylbenzene	17.29	105	5680746	9.432	ppbv	99
69) p-Isopropyltoluene	17.65	119	4699737	9.993	ppbv	99
70) n-Butylbenzene	18.55	91	4792029	9.827	ppbv	100
71) 2-Chlorotoluene	15.45	91	3578536	9.705	ppbv	99
72) 4-Ethyltoluene	15.84	105	3902578	9.747	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3521763	9.424	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	3699719	9.252	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2171462	9.647	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2108737	9.436	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2132230	10.077	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1662922	8.776	ppbv	99
79) Naphthalene	22.20	128	2568751	11.008	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	365255	7.938	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1571864	10.910	ppbv	99

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

