

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034948.D
 Acq On : 6 May 2020 18:55
 Operator : SY/AP
 Sample : L2182-13 0.4PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:30:57 PM

Quant Time: May 07 07:08:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1136951	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2640726	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2435532	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2061291	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	94488	0.586	ppbv	96
3) Chlorodifluoromethane	2.95	51	58768	0.453	ppbv	100
4) Chloromethane	3.10	50	34414	0.463	ppbv	94
5) Vinyl Chloride	3.22	62	27827	0.383	ppbv #	85
6) Bromomethane	3.44	94	18828	0.435	ppbv	89
7) Chloroethane	3.53	64	12095m	0.464	ppbv	
8) Dichlorotetrafluoroethane	3.15	85	82092	0.492	ppbv	95
9) Propene	2.97	41	20760	0.369	ppbv	94
10) Heptane	8.14	43	46428	0.329	ppbv	98
11) Trichlorofluoromethane	3.92	101	74695	0.449	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	51940	0.438	ppbv	92
13) Ethanol	3.58	45	9849m	0.530	ppbv	
14) Bromoethene	3.71	108	21587	0.441	ppbv #	91
15) Acetone	3.83	43	73470	0.489	ppbv	92
16) 1,3-Butadiene	3.29	39	23707	0.367	ppbv	95
17) tert-Butyl alcohol	4.28	59	54308	0.406	ppbv	95
18) 1,1-Dichloroethene	4.27	96	21718	0.423	ppbv	98
19) Isopropyl Alcohol	3.96	45	45303	0.452	ppbv #	88
20) Methylene Chloride	4.33	84	23208	0.466	ppbv #	84
21) Allyl Chloride	4.39	41	33798	0.398	ppbv	93
22) trans-1,2-Dichloroethene	4.87	96	20079	0.394	ppbv	95
23) Vinyl Acetate	5.06	43	64043	0.336	ppbv #	92
24) 1,1-Dichloroethane	5.00	63	66986	0.456	ppbv	99
25) Ethyl Acetate	5.68	43	101522	0.402	ppbv	97
26) Hexane	5.68	57	41489m	0.379	ppbv	
27) Carbon Disulfide	4.54	76	45504	0.353	ppbv #	85
28) Methyl tert-Butyl Ether	5.03	73	56360	0.338	ppbv	93
29) Chloroform	5.75	83	83412	0.466	ppbv	96
30) Cyclohexane	7.14	84	26664m	0.316	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	37320	0.349	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	72470	0.448	ppbv	97
34) 2-Butanone	5.25	43	58012	0.353	ppbv	98
35) Carbon Tetrachloride	7.02	117	69122	0.415	ppbv	98
36) Benzene	6.90	78	73297	0.337	ppbv	97
37) 1,2-Dichloroethane	6.31	62	53521	0.399	ppbv	98
38) Trichloroethene	7.85	130	30011	0.356	ppbv #	68
39) 1,2-Dichloropropane	7.62	63	33666m	0.386	ppbv	
40) 1,4-Dioxane	7.88	88	14946m	0.421	ppbv	
41) Tetrahydrofuran	6.06	42	24019m	0.278	ppbv	
42) Bromodichloromethane	7.80	83	70433	0.389	ppbv #	91
43) Methyl Methacrylate	8.03	69	28638m	0.312	ppbv	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034948.D
 Acq On : 6 May 2020 18:55
 Operator : SY/AP
 Sample : L2182-13 0.4PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:30:57 PM

Quant Time: May 07 07:08:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.88	57	129951m	0.336	ppbv	
45) t-1,3-Dichloropropene	9.30	75	20703m	0.223	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	30513m	0.268	ppbv	
47) 1,1,2-Trichloroethane	9.51	97	38322m	0.416	ppbv	
48) Dibromochloromethane	10.33	129	49638	0.350	ppbv	99
49) Bromoform	13.08	173	42680	0.350	ppbv	98
50) 4-Methyl-2-Pentanone	8.78	43	70422	0.301	ppbv	100
51) 2-Hexanone	10.18	43	50575	0.276	ppbv #	91
52) Tetrachloroethene	11.25	164	28806m	0.372	ppbv	
53) Toluene	9.83	91	65806	0.285	ppbv	95
54) 1,2-Dibromoethane	10.64	107	50478	0.373	ppbv	83
56) 1,1,1,2-Tetrachloroethane	12.16	131	47134m	0.429	ppbv	
57) Chlorobenzene	12.18	112	82675	0.428	ppbv #	85
58) Ethyl Benzene	12.75	91	87069	0.289	ppbv	89
59) m/p-Xylene	13.03	91	176992m	0.668	ppbv	
60) o-Xylene	13.73	91	87455	0.334	ppbv	98
61) Styrene	13.56	104	39910m	0.241	ppbv	
62) Isopropylbenzene	14.71	105	136876	0.351	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	90132m	0.438	ppbv	
64) n-propylbenzene	15.61	120	33676m	0.336	ppbv	
65) tert-Butylbenzene	16.79	119	113462	0.335	ppbv	93
66) Benzyl Chloride	17.05	91	34592m	0.301	ppbv	
67) sec-Butylbenzene	17.35	105	169164	0.350	ppbv	98
69) p-Isopropyltoluene	17.70	119	123550m	0.316	ppbv	
70) n-Butylbenzene	18.61	91	135406	0.325	ppbv	98
71) 2-Chlorotoluene	15.50	91	96717m	0.328	ppbv	
72) 4-Ethyltoluene	15.88	105	86229	0.296	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.04	105	89526	0.315	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	112819	0.364	ppbv #	92
75) 1,3-Dichlorobenzene	17.05	146	83721m	0.460	ppbv	
76) 1,4-Dichlorobenzene	17.19	146	68487m	0.396	ppbv	
77) 1,2-Dichlorobenzene	17.87	146	69896	0.408	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	60093m	0.411	ppbv	
79) Naphthalene	22.28	128	58602m	0.243	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	7277	0.123	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.00	180	49411m	0.338	ppbv	

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

