

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036989.D
 Acq On : 19 May 2021 13:01
 Operator : SY/AP
 Sample : M2262-15 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 MDL-AIR-03-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:01:12 PM

Quant Time: May 21 16:47:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1161120	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3444733	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3459026	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2589272	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	128158	0.651	ppbv	96
3) Chlorodifluoromethane	2.97	51	121434	0.571	ppbv	99
4) Chloromethane	3.12	50	41181	0.569	ppbv	97
5) Vinyl Chloride	3.24	62	39173	0.495	ppbv	99
6) Bromomethane	3.46	94	24334m	0.584	ppbv	
7) Chloroethane	3.54	64	13827	0.538	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	107356	0.580	ppbv	99
9) Propene	2.99	41	43115	0.566	ppbv	94
10) Heptane	8.10	43	87203	0.459	ppbv	94
11) Trichlorofluoromethane	3.93	101	99388	0.545	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	66182	0.510	ppbv	89
13) Ethanol	3.61	45	5821m	0.573	ppbv	
14) Bromoethene	3.72	108	27435	0.480	ppbv #	82
15) Acetone	3.86	43	71405	0.600	ppbv #	68
16) 1,3-Butadiene	3.31	39	35185	0.476	ppbv	94
17) tert-Butyl alcohol	4.31	59	53613m	0.492	ppbv	
18) 1,1-Dichloroethene	4.27	96	33630m	0.560	ppbv	
19) Isopropyl Alcohol	3.98	45	39553m	0.619	ppbv	
20) Methylene Chloride	4.32	84	37580	0.589	ppbv	97
21) Allyl Chloride	4.39	41	43928	0.490	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	27241	0.473	ppbv	92
23) Vinyl Acetate	5.07	43	71661m	0.380	ppbv	
24) 1,1-Dichloroethane	4.99	63	74379	0.547	ppbv	96
25) Ethyl Acetate	5.67	43	129007	0.451	ppbv #	98
26) Hexane	5.66	57	73963	0.507	ppbv	89
27) Carbon Disulfide	4.53	76	56293	0.383	ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	81638	0.467	ppbv	98
29) Chloroform	5.72	83	110757	0.537	ppbv	95
30) Cyclohexane	7.11	84	62868m	0.507	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	58672	0.448	ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	91007	0.411	ppbv #	88
34) 2-Butanone	5.25	43	74646m	0.595	ppbv	
35) Carbon Tetrachloride	6.99	117	92755	0.405	ppbv	91
36) Benzene	6.86	78	141883	0.478	ppbv	99
37) 1,2-Dichloroethane	6.28	62	76922	0.523	ppbv	99
38) Trichloroethene	7.81	130	60722m	0.478	ppbv	
39) 1,2-Dichloropropane	7.58	63	46544	0.407	ppbv	93
40) 1,4-Dioxane	7.86	88	13182m	0.488	ppbv	
41) Tetrahydrofuran	6.06	42	30883m	0.432	ppbv	
42) Bromodichloromethane	7.76	83	98603m	0.443	ppbv	
43) Methyl Methacrylate	8.00	69	43048m	0.421	ppbv	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036989.D
 Acq On : 19 May 2021 13:01
 Operator : SY/AP
 Sample : M2262-15 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:01:12 PM

Quant Time: May 21 16:47:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	254217m	0.499	ppbv	
45) t-1,3-Dichloropropene	9.25	75	21098m	0.270	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	36351m	0.346	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	55266	0.462	ppbv	94
48) Dibromochloromethane	10.28	129	72841m	0.376	ppbv	
49) Bromoform	13.01	173	54704m	0.342	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	86369	0.417	ppbv	93
51) 2-Hexanone	10.15	43	46210m	0.422	ppbv	
52) Tetrachloroethene	11.19	164	60636	0.514	ppbv	96
53) Toluene	9.78	91	156656	0.444	ppbv	97
54) 1,2-Dibromoethane	10.59	107	76918m	0.452	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	63922m	0.439	ppbv	
57) Chlorobenzene	12.12	112	136782	0.510	ppbv #	93
58) Ethyl Benzene	12.69	91	241334	0.494	ppbv	95
59) m/p-Xylene	12.97	91	402117m	0.996	ppbv	
60) o-Xylene	13.66	91	193549	0.503	ppbv	100
61) Styrene	13.50	104	86722	0.400	ppbv	92
62) Isopropylbenzene	14.64	105	284240	0.514	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	131942m	0.459	ppbv	
64) n-propylbenzene	15.54	120	65384	0.458	ppbv #	65
65) tert-Butylbenzene	16.72	119	254265	0.509	ppbv	98
66) Benzyl Chloride	16.98	91	7765m	0.280	ppbv	
67) sec-Butylbenzene	17.27	105	343028	0.504	ppbv	98
69) p-Isopropyltoluene	17.63	119	278638	0.476	ppbv	98
70) n-Butylbenzene	18.53	91	243814	0.438	ppbv	98
71) 2-Chlorotoluene	15.42	91	199291	0.499	ppbv	98
72) 4-Ethyltoluene	15.82	105	218073	0.477	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	195148	0.455	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	213640	0.482	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	130929	0.483	ppbv	95
76) 1,4-Dichlorobenzene	17.11	146	115753	0.423	ppbv	87
77) 1,2-Dichlorobenzene	17.79	146	136645m	0.504	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	110625m	0.507	ppbv	
79) Naphthalene	22.18	128	118367m	0.340	ppbv	
80) Naphthalene, 2-methyl-	25.06	142	30288m	0.400	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	84394	0.398	ppbv	93

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL036989.D
Acq On : 19 May 2021 13:01
Operator : SY/AP
Sample : M2262-15 0.45
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:01:12 PM

Quant Time: May 21 16:47:23 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

