

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035226.D
 Acq On : 23 Jul 2020 13:18
 Operator : SY/AP
 Sample : L3216-14 0.5 PPB LOQ
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Manual Integrations
 APPROVED

sam
 7/27/2020 6:17:21 PM

Quant Time: Jul 25 11:21:20 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 2020

QLast Update : Wed Jul 08 07:05:23 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1226351	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3082706	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2807874	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2315051	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.00	85	114945	0.669	ppbv	97
3) Chlorodifluoromethane	2.94	51	79569	0.587	ppbv	99
4) Chloromethane	3.09	50	46511	0.609	ppbv	94
5) Vinyl Chloride	3.21	62	39221	0.481	ppbv	98
6) Bromomethane	3.43	94	29425	0.635	ppbv	90
7) Chloroethane	3.51	64	14482	0.502	ppbv #	89
8) Dichlorotetrafluoroethane	3.14	85	115472	0.613	ppbv	99
9) Propene	2.96	41	24610	0.481	ppbv	92
10) Heptane	8.12	43	52383	0.399	ppbv	99
11) Trichlorofluoromethane	3.91	101	123506	0.636	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	85872	0.630	ppbv	97
13) Ethanol	3.58	45	10034m	0.616	ppbv	
14) Bromoethene	3.71	108	32191	0.574	ppbv	97
15) Acetone	3.82	43	118329	0.713	ppbv #	89
16) 1,3-Butadiene	3.29	39	31062	0.487	ppbv	97
17) tert-Butyl alcohol	4.28	59	88496m	0.602	ppbv	
18) 1,1-Dichloroethene	4.26	96	37143	0.615	ppbv	78
19) Isopropyl Alcohol	3.94	45	59940m	0.598	ppbv	
20) Methylene Chloride	4.31	84	54541m	0.755	ppbv	
21) Allyl Chloride	4.38	41	49509	0.512	ppbv	87
22) trans-1,2-Dichloroethene	4.86	96	34349m	0.570	ppbv	
23) Vinyl Acetate	5.05	43	86342	0.480	ppbv #	95
24) 1,1-Dichloroethane	4.98	63	91734	0.594	ppbv #	95
25) Ethyl Acetate	5.66	43	133621	0.519	ppbv	99
26) Hexane	5.67	57	56321m	0.496	ppbv	
27) Carbon Disulfide	4.52	76	90453	0.570	ppbv #	90
28) Methyl tert-Butyl Ether	5.02	73	74434	0.430	ppbv	96
29) Chloroform	5.74	83	115936	0.609	ppbv	99
30) Cyclohexane	7.13	84	43207m	0.514	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	45437	0.423	ppbv #	86
32) 1,1,1-Trichloroethane	6.50	97	103596	0.543	ppbv	97
34) 2-Butanone	5.23	43	77462	0.471	ppbv	98
35) Carbon Tetrachloride	7.01	117	104528	0.522	ppbv	97
36) Benzene	6.89	78	94719	0.425	ppbv	93
37) 1,2-Dichloroethane	6.29	62	79473m	0.531	ppbv	
38) Trichloroethene	7.83	130	37353m	0.411	ppbv	
39) 1,2-Dichloropropane	7.61	63	40976m	0.462	ppbv	
40) 1,4-Dioxane	7.87	88	14583m	0.413	ppbv	
41) Tetrahydrofuran	6.05	42	27657m	0.336	ppbv	
42) Bromodichloromethane	7.79	83	104254	0.521	ppbv #	92
43) Methyl Methacrylate	8.02	69	33397	0.354	ppbv	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035226.D
 Acq On : 23 Jul 2020 13:18
 Operator : SY/AP
 Sample : L3216-14 0.5 PPB LOQ
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT3-2020

Manual Integrations
 APPROVED

sam
 7/27/2020 6:17:21 PM

Quant Time: Jul 25 11:21:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 0
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.87	57	153681	0.399	ppbv #	89
45) t-1,3-Dichloropropene	9.29	75	33197m	0.335	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	39696	0.338	ppbv #	86
47) 1,1,2-Trichloroethane	9.48	97	52092	0.536	ppbv #	92
48) Dibromochloromethane	10.32	129	74374	0.471	ppbv	100
49) Bromoform	13.07	173	60586m	0.438	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	90665m	0.384	ppbv	
51) 2-Hexanone	10.17	43	59852m	0.332	ppbv	
52) Tetrachloroethene	11.25	164	35291m	0.423	ppbv	
53) Toluene	9.82	91	76535	0.325	ppbv	98
54) 1,2-Dibromoethane	10.63	107	64526m	0.448	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	75123m	0.604	ppbv	
57) Chlorobenzene	12.17	112	120028	0.580	ppbv #	95
58) Ethyl Benzene	12.74	91	103868m	0.335	ppbv	
59) m/p-Xylene	13.02	91	225027m	0.814	ppbv	
60) o-Xylene	13.72	91	115997	0.420	ppbv	95
61) Styrene	13.56	104	50799m	0.298	ppbv	
62) Isopropylbenzene	14.70	105	175085	0.428	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	122635m	0.532	ppbv	
64) n-propylbenzene	15.60	120	45181m	0.428	ppbv	
65) tert-Butylbenzene	16.78	119	160687m	0.437	ppbv	
66) Benzyl Chloride	17.02	91	68928m	0.527	ppbv	
67) sec-Butylbenzene	17.33	105	250001	0.467	ppbv	97
69) p-Isopropyltoluene	17.69	119	168636	0.402	ppbv	95
70) n-Butylbenzene	18.59	91	191825	0.431	ppbv	93
71) 2-Chlorotoluene	15.48	91	115375m	0.373	ppbv	
72) 4-Ethyltoluene	15.87	105	117596	0.378	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.03	105	115985	0.387	ppbv	87
74) 1,2,4-Trimethylbenzene	16.79	105	155666	0.470	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	127492	0.608	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	96249	0.494	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	102982m	0.545	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	89802m	0.601	ppbv	
79) Naphthalene	22.26	128	68956m	0.322	ppbv	
80) Naphthalene,2-methyl-	25.02	142	9047	0.179	ppbv #	89
81) 1,2,4-Trichlorobenzene	21.98	180	58106m	0.428	ppbv	

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
Data File : VL035226.D
Acq On : 23 Jul 2020 13:18
Operator : SY/AP
Sample : L3216-14 0.5 PPB LOQ
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT3-2020

Manual Integrations
APPROVED

sam
7/27/2020 6:17:21 PM

Quant Time: Jul 25 11:21:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration

