

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036419.D
 Acq On : 1 Mar 2021 17:51
 Operator : SY/AP
 Sample : M1458-13 0.40LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:21 PM

Quant Time: Mar 02 06:30:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1678960	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3753862	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3327129	10.00	ppbv	0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2708513	9.89	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	121692	0.486	ppbv	98
3) Chlorodifluoromethane	3.00	51	96132	0.461	ppbv	100
4) Chloromethane	3.15	50	45963	0.456	ppbv	90
5) Vinyl Chloride	3.27	62	38334	0.408	ppbv	93
6) Bromomethane	3.48	94	25960	0.465	ppbv	93
7) Chloroethane	3.57	64	12863	0.386	ppbv	92
8) Dichlorotetrafluoroethane	3.20	85	104726	0.460	ppbv	97
9) Propene	3.01	41	33246	0.427	ppbv	86
10) Heptane	8.14	43	73460	0.320	ppbv	93
11) Trichlorofluoromethane	3.96	101	107665	0.439	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	67925	0.447	ppbv	94
13) Ethanol	3.64	45	13802m	0.945	ppbv	
14) Bromoethene	3.75	108	24987m	0.393	ppbv	
15) Acetone	3.88	43	96718	0.471	ppbv #	79
16) 1,3-Butadiene	3.34	39	30507	0.311	ppbv #	81
17) tert-Butyl alcohol	4.32	59	64845m	0.407	ppbv	
18) 1,1-Dichloroethene	4.30	96	28448m	0.412	ppbv	
19) Isopropyl Alcohol	3.99	45	52240m	0.459	ppbv	
20) Methylene Chloride	4.36	84	30513m	0.461	ppbv	
21) Allyl Chloride	4.42	41	40620	0.355	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	22617	0.360	ppbv #	72
23) Vinyl Acetate	5.10	43	75107m	0.311	ppbv	
24) 1,1-Dichloroethane	5.03	63	74012	0.415	ppbv	99
25) Ethyl Acetate	5.70	43	146656	0.370	ppbv #	95
26) Hexane	5.70	57	60633m	0.372	ppbv	
27) Carbon Disulfide	4.56	76	54778m	0.366	ppbv	
28) Methyl tert-Butyl Ether	5.06	73	68485	0.322	ppbv	96
29) Chloroform	5.77	83	114185m	0.435	ppbv	
30) Cyclohexane	7.16	84	55961m	0.413	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	55082m	0.342	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	98213	0.401	ppbv	96
34) 2-Butanone	5.27	43	99505m	0.399	ppbv	
35) Carbon Tetrachloride	7.04	117	96560	0.384	ppbv	90
36) Benzene	6.91	78	109657	0.344	ppbv	96
37) 1,2-Dichloroethane	6.32	62	77759	0.394	ppbv	98
38) Trichloroethene	7.85	130	37140	0.325	ppbv	92
39) 1,2-Dichloropropane	7.63	63	39299	0.303	ppbv #	90
40) 1,4-Dioxane	7.90	88	18087m	0.403	ppbv	
41) Tetrahydrofuran	6.09	42	40019m	0.288	ppbv	
42) Bromodichloromethane	7.81	83	100274	0.380	ppbv #	88
43) Methyl Methacrylate	8.03	69	32727	0.243	ppbv #	76

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44) 2,2,4-Trimethylpentane	7.89	57	219636	0.379	ppbv	94
45) t-1,3-Dichloropropene	9.30	75	31248m	0.241	ppbv	
46) cis-1,3-Dichloropropene	8.73	75	47955m	0.291	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	54016m	0.407	ppbv	
48) Dibromochloromethane	10.32	129	70510m	0.356	ppbv	
49) Bromoform	13.06	173	54123m	0.338	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	120731m	0.326	ppbv	
51) 2-Hexanone	10.18	43	74881m	0.266	ppbv	
52) Tetrachloroethene	11.25	164	39372m	0.337	ppbv	
53) Toluene	9.83	91	105863m	0.306	ppbv	
54) 1,2-Dibromoethane	10.63	107	71559m	0.374	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	65034	0.425	ppbv #	1
57) Chlorobenzene	12.17	112	120464m	0.469	ppbv	
58) Ethyl Benzene	12.73	91	147789m	0.324	ppbv	
59) m/p-Xylene	13.02	91	289312m	0.723	ppbv	
60) o-Xylene	13.72	91	146628m	0.383	ppbv	
61) Styrene	13.55	104	60716m	0.256	ppbv	
62) Isopropylbenzene	14.69	105	225548m	0.393	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	122618	0.406	ppbv	96
64) n-propylbenzene	15.58	120	49814m	0.353	ppbv	
65) tert-Butylbenzene	16.77	119	165164	0.337	ppbv	85
66) Benzyl Chloride	17.02	91	47349m	0.355	ppbv	
67) sec-Butylbenzene	17.32	105	249367	0.352	ppbv	99
69) p-Isopropyltoluene	17.68	119	175682	0.321	ppbv	94
70) n-Butylbenzene	18.58	91	165399	0.282	ppbv	94
71) 2-Chlorotoluene	15.47	91	157621	0.359	ppbv	98
72) 4-Ethyltoluene	15.87	105	129852	0.305	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.02	105	145453m	0.352	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	150785	0.358	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	98926m	0.433	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	86507	0.364	ppbv	92
77) 1,2-Dichlorobenzene	17.85	146	91445m	0.403	ppbv	
78) Hexachloro-1,3-Butadiene	23.41	225	82753m	0.446	ppbv	
79) Naphthalene	22.25	128	42947m	0.172	ppbv	
80) Naphthalene,2-methyl-	25.07	142	1905	0.041	ppbv #	30
81) 1,2,4-Trichlorobenzene	21.97	180	35612m	0.234	ppbv	

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

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