

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038603.D
 Acq On : 14 Mar 2022 19:28
 Operator : SY/AP
 Sample : N1645-13 0.45 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2022

Quant Time: Mar 15 01:43:21 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 15 01:43:21 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/15/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.645	49	773059	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.150	114	2035750	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.053	117	1802738	10.000	ppbv	#-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.381	95	1390216	10.143	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.041	85	65018	0.557	ppbv	96
3) Chlorodifluoromethane	2.976	51	74635	0.548	ppbv	100
4) Chloromethane	3.131	50	28892	0.572	ppbv	97
5) Vinyl Chloride	3.243	62	23892	0.471	ppbv	92
6) Bromomethane	3.465	94	14263m	0.524	ppbv	
7) Chloroethane	3.549	64	8535	0.520	ppbv	90
8) Dichlorotetrafluoroethane	3.179	85	70533	0.623	ppbv	94
9) Propene	3.002	41	23419	0.487	ppbv	97
10) Heptane	8.095	43	48116	0.418	ppbv	90
11) Trichlorofluoromethane	3.935	101	53838	0.526	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.472	101	44642	0.561	ppbv	97
13) Ethanol	3.613	45	4434m	0.803	ppbv	
14) Bromoethene	3.722	108	17733	0.523	ppbv	91
15) Acetone	3.854	43	30559	0.560	ppbv	92
16) 1,3-Butadiene	3.320	39	21702	0.495	ppbv	95
17) tert-Butyl alcohol	4.298	59	30124m	0.508	ppbv	
18) 1,1-Dichloroethene	4.269	96	19445	0.546	ppbv #	81
19) Isopropyl Alcohol	3.973	45	21170m	0.581	ppbv	
20) Methylene Chloride	4.330	84	17848	0.544	ppbv	89
21) Allyl Chloride	4.398	41	23513	0.447	ppbv	86
22) trans-1,2-Dichloroethene	4.864	96	18083	0.484	ppbv	95
23) Vinyl Acetate	5.063	43	29386	0.376	ppbv #	88
24) 1,1-Dichloroethane	4.989	63	39019	0.549	ppbv	97
25) Ethyl Acetate	5.668	43	86839	0.473	ppbv	97
26) Hexane	5.668	57	41340	0.479	ppbv	90
27) Carbon Disulfide	4.529	76	39609	0.461	ppbv #	90
28) Methyl tert-Butyl Ether	5.031	73	34030	0.485	ppbv	97
29) Chloroform	5.726	83	68158	0.508	ppbv	96
30) Cyclohexane	7.111	84	33205m	0.445	ppbv	
31) cis-1,2-Dichloroethene	5.529	61	34896	0.423	ppbv	92
32) 1,1,1-Trichloroethane	6.484	97	64741	0.497	ppbv	98
34) 2-Butanone	5.240	43	28158m	0.534	ppbv	
35) Carbon Tetrachloride	6.996	117	68843	0.496	ppbv	95
36) Benzene	6.864	78	80166	0.436	ppbv	95
37) 1,2-Dichloroethane	6.279	62	44608	0.508	ppbv	100
38) Trichloroethene	7.803	130	31268	0.426	ppbv	93
39) 1,2-Dichloropropane	7.584	63	32246	0.456	ppbv	94
40) 1,4-Dioxane	7.841	88	8516m	0.482	ppbv	
41) Tetrahydrofuran	6.053	42	15071m	0.349	ppbv	
42) Bromodichloromethane	7.764	83	65501	0.471	ppbv	99
43) Methyl Methacrylate	7.999	69	21313	0.338	ppbv #	93
44) 2,2,4-Trimethylpentane	7.844	57	137756	0.444	ppbv #	92
45) t-1,3-Dichloropropene	9.253	75	15145m	0.333	ppbv	

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46) cis-1,3-Dichloropropene	8.674	75	20848	0.336	ppbv	91
47) 1,1,2-Trichloroethane	9.446	97	34040	0.473	ppbv	90
48) Dibromochloromethane	10.275	129	48734	0.426	ppbv	97
49) Bromoform	13.008	173	39237	0.448	ppbv	97
50) 4-Methyl-2-Pentanone	8.741	43	33265	0.308	ppbv	90
51) 2-Hexanone	10.130	43	14556m	0.318	ppbv	
52) Tetrachloroethene	11.195	164	28565	0.424	ppbv	97
53) Toluene	9.780	91	72346	0.369	ppbv	99
54) 1,2-Dibromoethane	10.584	107	40559	0.394	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.095	131	41954m	0.571	ppbv	
57) Chlorobenzene	12.111	112	74246	0.539	ppbv #	91
58) Ethyl Benzene	12.680	91	90327	0.387	ppbv	98
59) m/p-Xylene	12.966	91	175148m	0.877	ppbv	
60) o-Xylene	13.661	91	78317	0.415	ppbv	99
61) Styrene	13.500	104	26011	0.280	ppbv #	87
62) Isopropylbenzene	14.638	105	123436	0.474	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.648	83	77776	0.488	ppbv	94
64) n-propylbenzene	15.532	120	28223	0.425	ppbv	72
65) tert-Butylbenzene	16.719	119	103850	0.446	ppbv	94
66) Benzyl Chloride	16.963	91	6072m	0.440	ppbv	
67) sec-Butylbenzene	17.265	105	150534	0.455	ppbv	98
69) p-Isopropyltoluene	17.625	119	113746m	0.415	ppbv	
70) n-Butylbenzene	18.519	91	117648	0.403	ppbv	98
71) 2-Chlorotoluene	15.416	91	79190	0.410	ppbv	98
72) 4-Ethyltoluene	15.805	105	87156	0.402	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.966	105	82007	0.408	ppbv	90
74) 1,2,4-Trimethylbenzene	16.728	105	96990	0.451	ppbv #	94
75) 1,3-Dichlorobenzene	16.966	146	61741	0.455	ppbv	93
76) 1,4-Dichlorobenzene	17.104	146	63026m	0.469	ppbv	
77) 1,2-Dichlorobenzene	17.789	146	65345	0.476	ppbv	96
78) Hexachloro-1,3-Butadiene	23.339	225	73030	0.546	ppbv	99
79) Naphthalene	22.162	128	53522	0.277	ppbv	96
80) Naphthalene,2-methyl-	25.024	142	4708m	0.138	ppbv	
81) 1,2,4-Trichlorobenzene	21.889	180	41528	0.336	ppbv	96

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

Manual Integrations

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