

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040329.D
 Acq On : 10 Apr 2023 17:39
 Operator : SY/MD
 Sample : 02213-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2023

Quant Time: Apr 11 02:08:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/11/2023
 Supervised By : Mahesh Dadoda 04/11/2023

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

Internal Standards						
1) Bromochloromethane	5.163	49	886750	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.626	114	2281772	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.442	117	2048195	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1772139	10.332	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.700	85	88984	0.511	ppbv	97
3) Chlorodifluoromethane	2.645	51	50695	0.455	ppbv	98
4) Chloromethane	2.787	50	32138	0.467	ppbv	93
5) Vinyl Chloride	2.893	62	24563	0.441	ppbv	95
6) Bromomethane	3.095	94	8451	0.437	ppbv	94
7) Chloroethane	3.169	64	8510	0.398	ppbv	98
8) Dichlorotetrafluoroethane	2.825	85	68476	0.460	ppbv	96
9) Propene	2.664	41	17944	0.420	ppbv	90
10) Heptane	7.561	43	33907m	0.330	ppbv	
11) Trichlorofluoromethane	3.533	101	70475	0.447	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.037	101	50030	0.423	ppbv	95
13) Ethanol	3.237	45	1603m	0.512	ppbv	
14) Bromoethene	3.340	108	17886	0.405	ppbv #	82
15) Acetone	3.455	43	62578	0.580	ppbv #	88
16) 1,3-Butadiene	2.954	39	18534	0.378	ppbv	91
17) tert-Butyl alcohol	3.870	59	47508	0.463	ppbv	99
18) 1,1-Dichloroethene	3.851	96	22444	0.442	ppbv	81
19) Isopropyl Alcohol	3.565	45	24235	0.469	ppbv #	86
20) Methylene Chloride	3.906	84	21230	0.467	ppbv	86
21) Allyl Chloride	3.970	41	26923	0.385	ppbv	87
22) trans-1,2-Dichloroethene	4.420	96	19358	0.374	ppbv #	81
23) Vinyl Acetate	4.603	43	11053m	0.368	ppbv	
24) 1,1-Dichloroethane	4.533	63	46092	0.430	ppbv	96
25) Ethyl Acetate	5.188	43	79526	0.393	ppbv #	97
26) Hexane	5.185	57	30702	0.370	ppbv #	81
27) Carbon Disulfide	4.098	76	39293	0.339	ppbv	98
28) Methyl tert-Butyl Ether	4.565	73	38744	0.407	ppbv	100
29) Chloroform	5.246	83	63631	0.434	ppbv	97
30) Cyclohexane	6.577	84	19211m	0.294	ppbv	
31) cis-1,2-Dichloroethene	5.057	61	31077	0.385	ppbv #	84
32) 1,1,1-Trichloroethane	5.973	97	61926m	0.441	ppbv	
34) 2-Butanone	4.774	43	50694	0.450	ppbv	96
35) Carbon Tetrachloride	6.465	117	63721m	0.445	ppbv	
36) Benzene	6.343	78	63818	0.367	ppbv #	91
37) 1,2-Dichloroethane	5.774	62	51198m	0.452	ppbv	
38) Trichloroethene	7.266	130	35810	0.377	ppbv	94
39) 1,2-Dichloropropane	7.044	63	28016m	0.411	ppbv	
40) 1,4-Dioxane	7.314	88	8980m	0.333	ppbv	
41) Tetrahydrofuran	5.555	42	19808	0.305	ppbv	98
42) Bromodichloromethane	7.224	83	58982	0.381	ppbv	100
43) Methyl Methacrylate	7.458	69	19942	0.309	ppbv	99
44) 2,2,4-Trimethylpentane	7.301	57	101315	0.349	ppbv #	87
45) t-1,3-Dichloropropene	8.690	75	15384m	0.273	ppbv	

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46) cis-1,3-Dichloropropene	8.121	75	23439	0.293	ppbv	97
47) 1,1,2-Trichloroethane	8.870	97	29958m	0.412	ppbv	
48) Dibromochloromethane	9.683	129	42421m	0.354	ppbv	
49) Bromoform	12.388	173	28002m	0.311	ppbv	
50) 4-Methyl-2-Pentanone	8.182	43	58190m	0.334	ppbv	
51) 2-Hexanone	9.552	43	37181m	0.275	ppbv	
52) Tetrachloroethene	10.593	164	20941m	0.398	ppbv	
53) Toluene	9.198	91	53302m	0.293	ppbv	
54) 1,2-Dibromoethane	9.986	107	27983	0.373	ppbv	83
56) 1,1,1,2-Tetrachloroethane	11.490	131	38873m	0.451	ppbv	
57) Chlorobenzene	11.497	112	65232m	0.448	ppbv	
58) Ethyl Benzene	12.069	91	73681m	0.316	ppbv	
59) m/p-Xylene	12.355	91	141658m	0.663	ppbv	
60) o-Xylene	13.037	91	62859	0.308	ppbv	100
61) Styrene	12.873	104	26463m	0.255	ppbv	
62) Isopropylbenzene	14.008	105	109190m	0.375	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.027	83	32427	0.451	ppbv	94
64) n-propylbenzene	14.902	120	25099m	0.353	ppbv	
65) tert-Butylbenzene	16.075	119	86358m	0.345	ppbv	
66) Benzyl Chloride	16.323	91	5954m	0.366	ppbv	
67) sec-Butylbenzene	16.622	105	124453m	0.347	ppbv	
69) p-Isopropyltoluene	16.979	119	88052	0.315	ppbv	95
70) n-Butylbenzene	17.870	91	102818m	0.334	ppbv	
71) 2-Chlorotoluene	14.783	91	71377	0.322	ppbv	96
72) 4-Ethyltoluene	15.175	105	71209m	0.319	ppbv	
73) 1,3,5-Trimethylbenzene	15.330	105	65816m	0.325	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	79357	0.344	ppbv	93
75) 1,3-Dichlorobenzene	16.310	146	47315m	0.379	ppbv	
76) 1,4-Dichlorobenzene	16.452	146	46895m	0.394	ppbv	
77) 1,2-Dichlorobenzene	17.127	146	45230m	0.377	ppbv	
78) Hexachloro-1,3-Butadiene	22.619	225	39249m	0.446	ppbv	
79) Naphthalene	21.374	128	35241m	0.258	ppbv	
80) Naphthalene,2-methyl-	24.406	142	7314m	0.212	ppbv	
81) 1,2,4-Trichlorobenzene	21.130	180	25018m	0.298	ppbv	

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

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