

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040558.D
 Acq On : 27 Jul 2023 2:47
 Operator : SY/MD
 Sample : 03572-13 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2023

Quant Time: Jul 27 04:46:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 27 04:45:44 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/27/2023
 Supervised By : Mahesh Dadoda 07/27/2023

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

Internal Standards						
1) Bromochloromethane	5.179	49	999396	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.639	114	2589349	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	2251840	10.000	ppbv	-0.02

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.770 95 1847669 10.367 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.713	85	113115m	0.566	ppbv	
3) Chlorodifluoromethane	2.655	51	86539	0.546	ppbv	99
4) Chloromethane	2.796	50	32466	0.517	ppbv	94
5) Vinyl Chloride	2.902	62	31211	0.474	ppbv	94
6) Bromomethane	3.108	94	15368m	0.553	ppbv	
7) Chloroethane	3.179	64	12283	0.531	ppbv #	81
8) Dichlorotetrafluoroethane	2.841	85	89203	0.542	ppbv	100
9) Propene	2.677	41	24002	0.443	ppbv	96
10) Heptane	7.571	43	41834	0.349	ppbv	95
11) Trichlorofluoromethane	3.546	101	90617	0.562	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.047	101	64377	0.567	ppbv	99
13) Ethanol	3.237	45	7841m	0.665	ppbv	
14) Bromoethene	3.349	108	23898	0.489	ppbv	95
15) Acetone	3.465	43	77750	0.676	ppbv	92
16) 1,3-Butadiene	2.970	39	23785	0.410	ppbv	84
17) tert-Butyl alcohol	3.880	59	61394	0.516	ppbv	100
18) 1,1-Dichloroethene	3.861	96	26524	0.508	ppbv	89
19) Isopropyl Alcohol	3.578	45	30128	0.456	ppbv #	82
20) Methylene Chloride	3.918	84	28392	0.580	ppbv #	84
21) Allyl Chloride	3.983	41	27656	0.421	ppbv #	72
22) trans-1,2-Dichloroethene	4.430	96	25608	0.497	ppbv	96
23) Vinyl Acetate	4.616	43	46814	0.427	ppbv #	90
24) 1,1-Dichloroethane	4.549	63	57559	0.517	ppbv	97
25) Ethyl Acetate	5.198	43	96993	0.443	ppbv #	95
26) Hexane	5.201	57	42396	0.417	ppbv #	80
27) Carbon Disulfide	4.108	76	54807	0.458	ppbv #	80
28) Methyl tert-Butyl Ether	4.581	73	38526	0.470	ppbv	95
29) Chloroform	5.256	83	84916	0.503	ppbv	100
30) Cyclohexane	6.594	84	23534m	0.278	ppbv	
31) cis-1,2-Dichloroethene	5.063	61	40084	0.399	ppbv	92
32) 1,1,1-Trichloroethane	5.992	97	81331m	0.493	ppbv	
34) 2-Butanone	4.783	43	52752	0.412	ppbv	95
35) Carbon Tetrachloride	6.478	117	77318	0.496	ppbv	95
36) Benzene	6.356	78	84547	0.406	ppbv	98
37) 1,2-Dichloroethane	5.793	62	60450	0.493	ppbv	98
38) Trichloroethene	7.275	130	33482m	0.425	ppbv	
39) 1,2-Dichloropropane	7.063	63	38169m	0.476	ppbv	
40) 1,4-Dioxane	7.304	88	12453m	0.496	ppbv	
41) Tetrahydrofuran	5.565	42	26829m	0.359	ppbv	
42) Bromodichloromethane	7.233	83	73827	0.433	ppbv #	83
43) Methyl Methacrylate	7.471	69	24432m	0.313	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	126711	0.378	ppbv #	87
45) t-1,3-Dichloropropene	8.703	75	12400	0.248	ppbv	90

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 27 04:45:44 2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	20999	0.327	ppbv #	84
47) 1,1,2-Trichloroethane	8.886	97	37562m	0.424	ppbv	
48) Dibromochloromethane	9.700	129	51635	0.377	ppbv	98
49) Bromoform	12.394	173	36078	0.333	ppbv	97
50) 4-Methyl-2-Pentanone	8.192	43	64801	0.349	ppbv	95
51) 2-Hexanone	9.574	43	38653m	0.294	ppbv	
52) Tetrachloroethene	10.606	164	27841m	0.413	ppbv	
53) Toluene	9.211	91	64803	0.286	ppbv	94
54) 1,2-Dibromoethane	10.005	107	44666m	0.406	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.494	131	50346m	0.499	ppbv	
57) Chlorobenzene	11.516	112	84709	0.482	ppbv #	94
58) Ethyl Benzene	12.082	91	91204	0.323	ppbv	97
59) m/p-Xylene	12.368	91	184320m	0.731	ppbv	
60) o-Xylene	13.053	91	84761m	0.353	ppbv	
61) Styrene	12.896	104	27700m	0.250	ppbv	
62) Isopropylbenzene	14.021	105	143771m	0.399	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.044	83	84412	0.502	ppbv	97
64) n-propylbenzene	14.915	120	35361m	0.380	ppbv	
65) tert-Butylbenzene	16.085	119	118367	0.371	ppbv	90
66) Benzyl Chloride	16.330	91	8957m	0.397	ppbv	
67) sec-Butylbenzene	16.629	105	185946	0.397	ppbv	96
69) p-Isopropyltoluene	16.992	119	131750	0.340	ppbv #	91
70) n-Butylbenzene	17.889	91	148246	0.343	ppbv	98
71) 2-Chlorotoluene	14.793	91	97962	0.353	ppbv	98
72) 4-Ethyltoluene	15.188	105	93615m	0.332	ppbv	
73) 1,3,5-Trimethylbenzene	15.349	105	76270	0.307	ppbv	87
74) 1,2,4-Trimethylbenzene	16.098	105	109775	0.379	ppbv	95
75) 1,3-Dichlorobenzene	16.320	146	76101m	0.434	ppbv	
76) 1,4-Dichlorobenzene	16.468	146	77064m	0.448	ppbv	
77) 1,2-Dichlorobenzene	17.140	146	68851	0.410	ppbv	90
78) Hexachloro-1,3-Butadiene	22.619	225	72659m	0.461	ppbv	
79) Naphthalene	21.390	128	67613m	0.276	ppbv	
80) Naphthalene,2-methyl-	24.377	142	7115	0.070	ppbv #	79
81) 1,2,4-Trichlorobenzene	21.143	180	53869m	0.319	ppbv	

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

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