

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040563.D
 Acq On : 27 Jul 2023 6:09
 Operator : SY/MD
 Sample : 03695-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-21-20230719

Manual Integrations
 APPROVED

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

Quant Time: Jul 27 06:45:43 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

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

Internal Standards						
1) Bromochloromethane	5.182	49	968414	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2390136	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.462	117	2319107	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1953506 10.643 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	46207	0.239	ppbv	96
3) Chlorodifluoromethane	2.658	51	42988m	0.280	ppbv	
4) Chloromethane	2.796	50	44895	0.738	ppbv	95
5) Vinyl Chloride	2.906	62	15702	0.246	ppbv	89
7) Chloroethane	3.182	64	5203	0.232	ppbv #	82
8) Dichlorotetrafluoroethane	2.845	85	5887	0.037	ppbv	97
9) Propene	2.678	41	654905	12.463	ppbv	94
10) Heptane	7.578	43	73067	0.630	ppbv	91
11) Trichlorofluoromethane	3.549	101	51809	0.331	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.057	101	11702	0.106	ppbv	96
13) Ethanol	3.221	45	145386	12.716	ppbv	98
15) Acetone	3.449	43	5930980	53.206	ppbv	99
16) 1,3-Butadiene	2.951	39	622326m	11.066	ppbv	
17) tert-Butyl alcohol	3.864	59	1239511	10.751	ppbv	99
20) Methylene Chloride	3.922	84	263847	5.564	ppbv	93
26) Hexane	5.202	57	182575	1.852	ppbv #	40
27) Carbon Disulfide	4.115	76	243294	2.098	ppbv	100
29) Chloroform	5.263	83	34487m	0.211	ppbv	
30) Cyclohexane	6.597	84	107600	1.312	ppbv #	88
34) 2-Butanone	4.771	43	3365112	28.493	ppbv	98
35) Carbon Tetrachloride	6.484	117	13922m	0.097	ppbv	
36) Benzene	6.362	78	479833	2.495	ppbv	98
41) Tetrahydrofuran	5.555	42	39981m	0.580	ppbv	
50) 4-Methyl-2-Pentanone	8.169	43	3635427	21.185	ppbv	96
51) 2-Hexanone	9.549	43	465631	3.837	ppbv #	94
52) Tetrachloroethene	10.610	164	15208m	0.244	ppbv	
53) Toluene	9.211	91	495297	2.371	ppbv	100
58) Ethyl Benzene	12.082	91	176893	0.608	ppbv	98
59) m/p-Xylene	12.336	91	738342	2.842	ppbv	100
60) o-Xylene	13.050	91	405949	1.641	ppbv	99
61) Styrene	12.889	104	17479m	0.153	ppbv	
62) Isopropylbenzene	14.028	105	23673m	0.064	ppbv	
67) sec-Butylbenzene	16.625	105	23889m	0.050	ppbv	
73) 1,3,5-Trimethylbenzene	15.346	105	43569	0.170	ppbv #	80
74) 1,2,4-Trimethylbenzene	16.101	105	173860	0.583	ppbv #	64
76) 1,4-Dichlorobenzene	16.468	146	20941m	0.118	ppbv	

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

Manual Integrations

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