

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041240.D
 Acq On : 8 May 2024 12:35
 Operator : SY/MD
 Sample : P2403-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2024

Quant Time: May 09 04:50:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	5.214	49	825699	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2196314	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2020525	10.000	ppbv	0.00

05/09/2024
 Supervised By : Mahesh
 Padoda

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1537385	10.079	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%

05/09/2024

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.745	85	67513	0.604	ppbv	93
3) Chlorodifluoromethane	2.694	51	58206	0.464	ppbv	99
4) Chloromethane	2.835	50	22511	0.457	ppbv #	85
5) Vinyl Chloride	2.938	62	20936	0.424	ppbv	100
6) Bromomethane	3.140	94	8175	0.453	ppbv	100
7) Chloroethane	3.218	64	8011	0.459	ppbv #	76
8) Dichlorotetrafluoroethane	2.874	85	56450	0.488	ppbv	99
9) Propene	2.713	41	24432m	0.498	ppbv	
10) Heptane	7.603	43	45961	0.387	ppbv	97
11) Trichlorofluoromethane	3.581	101	52572	0.463	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	36841	0.439	ppbv	98
13) Ethanol	3.272	45	5754m	0.523	ppbv	
14) Bromoethene	3.388	108	13758	0.397	ppbv #	83
15) Acetone	3.504	43	48824	0.501	ppbv #	85
16) 1,3-Butadiene	3.002	39	20249	0.412	ppbv	91
17) tert-Butyl alcohol	3.919	59	37739m	0.359	ppbv	
18) 1,1-Dichloroethene	3.899	96	16668m	0.445	ppbv	
19) Isopropyl Alcohol	3.613	45	28731m	0.449	ppbv	
20) Methylene Chloride	3.957	84	17887	0.528	ppbv	92
21) Allyl Chloride	4.018	41	24894	0.392	ppbv	88
22) trans-1,2-Dichloroethene	4.468	96	15925	0.409	ppbv	97
23) Vinyl Acetate	4.658	43	40727m	0.380	ppbv	
24) 1,1-Dichloroethane	4.587	63	36987	0.443	ppbv	98
25) Ethyl Acetate	5.234	43	80831m	0.416	ppbv	
26) Hexane	5.237	57	36095m	0.416	ppbv	
27) Carbon Disulfide	4.150	76	38683m	0.376	ppbv	
28) Methyl tert-Butyl Ether	4.620	73	25874	0.374	ppbv	92
29) Chloroform	5.295	83	57197	0.478	ppbv	98
30) Cyclohexane	6.629	84	30986m	0.451	ppbv	
31) cis-1,2-Dichloroethene	5.102	61	35881m	0.442	ppbv	
32) 1,1,1-Trichloroethane	6.031	97	51684	0.433	ppbv	95
34) 2-Butanone	4.822	43	46917	0.420	ppbv	95
35) Carbon Tetrachloride	6.523	117	51614m	0.419	ppbv	
36) Benzene	6.388	78	74799m	0.406	ppbv	
37) 1,2-Dichloroethane	5.828	62	44026m	0.458	ppbv	
38) Trichloroethene	7.314	130	28222	0.411	ppbv	88
39) 1,2-Dichloropropane	7.099	63	29267	0.412	ppbv #	87
40) 1,4-Dioxane	7.359	88	10916m	0.430	ppbv	
41) Tetrahydrofuran	5.603	42	30632m	0.379	ppbv	
42) Bromodichloromethane	7.275	83	56609	0.410	ppbv #	98
43) Methyl Methacrylate	7.507	69	27486m	0.369	ppbv	
44) 2,2,4-Trimethylpentane	7.353	57	125746	0.396	ppbv	97
45) t-1,3-Dichloropropene	8.745	75	15554m	0.288	ppbv	

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46) cis-1,3-Dichloropropene	8.169	75	22727m	0.344	ppbv		05/09/2024
47) 1,1,2-Trichloroethane	8.915	97	31359m	0.441	ppbv		Supervised By : Mahesh Dadoda
48) Dibromochloromethane	9.742	129	44305m	0.391	ppbv		
49) Bromoform	12.433	173	31810m	0.330	ppbv		
50) 4-Methyl-2-Pentanone	8.224	43	77172m	0.385	ppbv		
51) 2-Hexanone	9.603	43	51327m	0.345	ppbv		
52) Tetrachloroethene	10.642	164	27200m	0.420	ppbv		05/09/2024
53) Toluene	9.243	91	83498m	0.391	ppbv		
54) 1,2-Dibromoethane	10.037	107	42391m	0.440	ppbv		
56) 1,1,1,2-Tetrachloroethane	11.539	131	35915m	0.438	ppbv		
57) Chlorobenzene	11.555	112	69668m	0.471	ppbv		
58) Ethyl Benzene	12.118	91	113102	0.408	ppbv	98	
59) m/p-Xylene	12.397	91	189638m	0.814	ppbv		
60) o-Xylene	13.089	91	92525	0.424	ppbv	96	
61) Styrene	12.921	104	39186	0.340	ppbv	97	
62) Isopropylbenzene	14.056	105	137104	0.420	ppbv	97	
63) 1,1,2,2-Tetrachloroethane	13.073	83	67034m	0.451	ppbv		
64) n-propylbenzene	14.947	120	37274m	0.458	ppbv		
65) tert-Butylbenzene	16.121	119	126348m	0.432	ppbv		
66) Benzyl Chloride	16.368	91	5997m	0.181	ppbv		
67) sec-Butylbenzene	16.670	105	180806m	0.439	ppbv		
69) p-Isopropyltoluene	17.027	119	142223m	0.419	ppbv		
70) n-Butylbenzene	17.918	91	140015	0.395	ppbv	98	
71) 2-Chlorotoluene	14.828	91	106021m	0.427	ppbv		
72) 4-Ethyltoluene	15.220	105	99904	0.404	ppbv #	96	
73) 1,3,5-Trimethylbenzene	15.384	105	97021m	0.434	ppbv		
74) 1,2,4-Trimethylbenzene	16.134	105	98588	0.404	ppbv	94	
75) 1,3-Dichlorobenzene	16.355	146	55978	0.400	ppbv	89	
76) 1,4-Dichlorobenzene	16.503	146	54837	0.407	ppbv	91	
77) 1,2-Dichlorobenzene	17.179	146	63146m	0.451	ppbv		
78) Hexachloro-1,3-Butadiene	22.664	225	57895m	0.465	ppbv		
79) Naphthalene	21.423	128	70270m	0.302	ppbv		
80) Naphthalene,2-methyl-	24.516	142	11648m	0.124	ppbv		
81) 1,2,4-Trichlorobenzene	21.175	180	37301m	0.304	ppbv		

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

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