

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041182.D
 Acq On : 29 Apr 2024 13:28
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/30/2024
 Supervised By : Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 05:08:15 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 : Tue Apr 30 05:04:57 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1012643	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2594892	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2380091	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1800448 10.016 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	78751	0.563	ppbv	89
3) Chlorodifluoromethane	2.671	51	81623	0.529	ppbv	100
4) Chloromethane	2.809	50	30762	0.501	ppbv	97
5) Vinyl Chloride	2.915	62	29808	0.500	ppbv	94
6) Bromomethane	3.121	94	11827m	0.536	ppbv	
7) Chloroethane	3.192	64	11382m	0.527	ppbv	
8) Dichlorotetrafluoroethane	2.851	85	76365	0.540	ppbv	99
9) Propene	2.690	41	33515	0.556	ppbv	93
10) Heptane	7.574	43	80645m	0.559	ppbv	
11) Trichlorofluoromethane	3.558	101	71752	0.516	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.063	101	53204	0.512	ppbv	98
13) Ethanol	3.256	45	5930m	0.456	ppbv	
14) Bromoethene	3.359	108	21475	0.496	ppbv #	94
15) Acetone	3.478	43	66550m	0.551	ppbv	
16) 1,3-Butadiene	2.983	39	30332	0.505	ppbv	96
17) tert-Butyl alcohol	3.893	59	56825	0.435	ppbv #	90
18) 1,1-Dichloroethene	3.877	96	23046	0.484	ppbv	98
19) Isopropyl Alcohol	3.584	45	34025m	0.433	ppbv	
20) Methylene Chloride	3.928	84	24047	0.573	ppbv	97
21) Allyl Chloride	3.992	41	41776	0.531	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	25107m	0.534	ppbv	
23) Vinyl Acetate	4.629	43	66388m	0.498	ppbv	
24) 1,1-Dichloroethane	4.555	63	54506m	0.530	ppbv	
25) Ethyl Acetate	5.208	43	125069	0.528	ppbv	98
26) Hexane	5.208	57	57726	0.550	ppbv	99
27) Carbon Disulfide	4.121	76	65602m	0.527	ppbv	
28) Methyl tert-Butyl Ether	4.594	73	43466	0.509	ppbv #	76
29) Chloroform	5.269	83	77836	0.532	ppbv	100
30) Cyclohexane	6.597	84	42810	0.497	ppbv	91
31) cis-1,2-Dichloroethene	5.069	61	49726	0.495	ppbv	91
32) 1,1,1-Trichloroethane	5.996	97	76972	0.524	ppbv	98
34) 2-Butanone	4.793	43	69254	0.545	ppbv	95
35) Carbon Tetrachloride	6.487	117	73985	0.502	ppbv	97
36) Benzene	6.365	78	110367	0.506	ppbv	95
37) 1,2-Dichloroethane	5.803	62	56950	0.499	ppbv	100
38) Trichloroethene	7.285	130	38725	0.470	ppbv	93
39) 1,2-Dichloropropane	7.066	63	41953	0.497	ppbv	99
40) 1,4-Dioxane	7.320	88	11552m	0.384	ppbv	
41) Tetrahydrofuran	5.574	42	51945m	0.553	ppbv	
42) Bromodichloromethane	7.243	83	76921	0.461	ppbv	90
43) Methyl Methacrylate	7.475	69	42710	0.477	ppbv	93
44) 2,2,4-Trimethylpentane	7.323	57	195404	0.517	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	27601	0.421	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	37886m	0.477	ppbv	
47) 1,1,2-Trichloroethane	8.893	97	43116	0.513	ppbv	93
48) Dibromochloromethane	9.703	129	62014	0.457	ppbv	91
49) Bromoform	12.404	173	50079	0.429	ppbv	96
50) 4-Methyl-2-Pentanone	8.195	43	116934	0.488	ppbv	92
51) 2-Hexanone	9.568	43	90857m	0.521	ppbv	
52) Tetrachloroethene	10.613	164	39233	0.510	ppbv	89
53) Toluene	9.214	91	128755	0.506	ppbv	98
54) 1,2-Dibromoethane	10.005	107	57682m	0.505	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	47893	0.486	ppbv #	1
57) Chlorobenzene	11.519	112	94214m	0.541	ppbv	
58) Ethyl Benzene	12.082	91	174494	0.532	ppbv	98
59) m/p-Xylene	12.368	91	294874m	1.072	ppbv	
60) o-Xylene	13.056	91	141598	0.548	ppbv	99
61) Styrene	12.892	104	71921m	0.533	ppbv	
62) Isopropylbenzene	14.027	105	208977	0.538	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	97640m	0.556	ppbv	
64) n-propylbenzene	14.908	120	48252	0.496	ppbv	75
65) tert-Butylbenzene	16.085	119	192404m	0.561	ppbv	
66) Benzyl Chloride	16.329	91	17387m	0.426	ppbv	
67) sec-Butylbenzene	16.638	105	271038	0.559	ppbv	98
69) p-Isopropyltoluene	16.992	119	221325m	0.550	ppbv	
70) n-Butylbenzene	17.883	91	219542	0.525	ppbv	100
71) 2-Chlorotoluene	14.796	91	153334	0.517	ppbv	97
72) 4-Ethyltoluene	15.188	105	148749	0.505	ppbv	96
73) 1,3,5-Trimethylbenzene	15.346	105	136424	0.511	ppbv	100
74) 1,2,4-Trimethylbenzene	16.101	105	153694	0.529	ppbv #	92
75) 1,3-Dichlorobenzene	16.329	146	88476m	0.541	ppbv	
76) 1,4-Dichlorobenzene	16.471	146	79333	0.498	ppbv	91
77) 1,2-Dichlorobenzene	17.143	146	89432m	0.541	ppbv	
78) Hexachloro-1,3-Butadiene	22.628	225	82432m	0.561	ppbv	
79) Naphthalene	21.387	128	133825m	0.485	ppbv	
80) Naphthalene,2-methyl-	24.381	142	50401m	0.434	ppbv	
81) 1,2,4-Trichlorobenzene	21.143	180	71967m	0.488	ppbv	

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

