

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041300.D
 Acq On : 4 Jun 2024 10:31
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 04 11:38:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Tue Jun 04 11:34:39 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	964499	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2630717	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2507402	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1934504 10.219 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	176129	1.350	ppbv	96
3) Chlorodifluoromethane	2.700	51	167563	1.144	ppbv	98
4) Chloromethane	2.835	50	62065	1.080	ppbv	91
5) Vinyl Chloride	2.944	62	62312	1.079	ppbv	95
6) Bromomethane	3.140	94	20769	0.986	ppbv	89
7) Chloroethane	3.218	64	19964	0.979	ppbv	97
8) Dichlorotetrafluoroethane	2.880	85	151226	1.120	ppbv	94
9) Propene	2.719	41	56235	0.981	ppbv	92
10) Heptane	7.581	43	138657	0.998	ppbv	98
11) Trichlorofluoromethane	3.581	101	157148	1.185	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.083	101	110547m	1.127	ppbv	
13) Ethanol	3.269	45	17525m	1.364	ppbv	
14) Bromoethene	3.385	108	41391	1.023	ppbv	89
15) Acetone	3.497	43	118050	1.037	ppbv	96
16) 1,3-Butadiene	3.009	39	55101	0.959	ppbv	84
17) tert-Butyl alcohol	3.896	59	114519	0.933	ppbv	99
18) 1,1-Dichloroethene	3.896	96	45094	1.031	ppbv	91
19) Isopropyl Alcohol	3.603	45	76014	1.018	ppbv #	91
20) Methylene Chloride	3.951	84	41816	1.056	ppbv	97
21) Allyl Chloride	4.012	41	71099	0.958	ppbv	88
22) trans-1,2-Dichloroethene	4.456	96	44432	0.977	ppbv	96
23) Vinyl Acetate	4.639	43	110183	0.879	ppbv #	96
24) 1,1-Dichloroethane	4.574	63	104995	1.077	ppbv	98
25) Ethyl Acetate	5.218	43	236179	1.040	ppbv	98
26) Hexane	5.218	57	106392	1.049	ppbv	97
27) Carbon Disulfide	4.140	76	110863	0.924	ppbv	95
28) Methyl tert-Butyl Ether	4.603	73	80196	0.993	ppbv	98
29) Chloroform	5.282	83	166354	1.189	ppbv	92
30) Cyclohexane	6.607	84	81809	1.019	ppbv	91
31) cis-1,2-Dichloroethene	5.086	61	95638	1.008	ppbv	92
32) 1,1,1-Trichloroethane	6.005	97	157049	1.125	ppbv	99
34) 2-Butanone	4.806	43	126532	0.945	ppbv	96
35) Carbon Tetrachloride	6.497	117	152634	1.034	ppbv	88
36) Benzene	6.375	78	208963	0.947	ppbv	96
37) 1,2-Dichloroethane	5.816	62	117672	1.022	ppbv	99
38) Trichloroethene	7.295	130	80606	0.980	ppbv	93
39) 1,2-Dichloropropane	7.073	63	86416m	1.016	ppbv	
40) 1,4-Dioxane	7.311	88	32156m	1.058	ppbv	
41) Tetrahydrofuran	5.578	42	79388	0.819	ppbv	92
42) Bromodichloromethane	7.250	83	172514	1.044	ppbv	97
43) Methyl Methacrylate	7.478	69	75140	0.842	ppbv	88
44) 2,2,4-Trimethylpentane	7.327	57	373210	0.980	ppbv	98
45) t-1,3-Dichloropropene	8.709	75	45555	0.704	ppbv	95

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QLast Update : Tue Jun 04 11:34:39 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	65441m	0.826	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	85775	1.007	ppbv	93
48) Dibromochloromethane	9.709	129	139926	1.031	ppbv	99
49) Bromoform	12.401	173	108070	0.936	ppbv	98
50) 4-Methyl-2-Pentanone	8.192	43	214494	0.893	ppbv	98
51) 2-Hexanone	9.558	43	146506	0.822	ppbv #	99
52) Tetrachloroethene	10.610	164	76565	0.987	ppbv	92
53) Toluene	9.217	91	240375	0.939	ppbv	100
54) 1,2-Dibromoethane	10.005	107	116724	1.012	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.503	131	114489	1.126	ppbv #	1
57) Chlorobenzene	11.520	112	205567	1.119	ppbv	98
58) Ethyl Benzene	12.082	91	336367	0.978	ppbv	98
59) m/p-Xylene	12.362	91	585266m	2.025	ppbv	
60) o-Xylene	13.053	91	283556m	1.047	ppbv	
61) Styrene	12.892	104	126815	0.886	ppbv	99
62) Isopropylbenzene	14.024	105	426047	1.052	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	203978m	1.105	ppbv	
64) n-propylbenzene	14.915	120	107181m	1.060	ppbv	
65) tert-Butylbenzene	16.085	119	383062	1.056	ppbv	98
66) Benzyl Chloride	16.330	91	19643m	0.478	ppbv	
67) sec-Butylbenzene	16.632	105	542266	1.062	ppbv	98
69) p-Isopropyltoluene	16.986	119	451420	1.072	ppbv	99
70) n-Butylbenzene	17.876	91	454514	1.034	ppbv	99
71) 2-Chlorotoluene	14.790	91	323178	1.048	ppbv	99
72) 4-Ethyltoluene	15.188	105	312386	1.018	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	272731	0.982	ppbv	92
74) 1,2,4-Trimethylbenzene	16.095	105	326021	1.075	ppbv #	83
75) 1,3-Dichlorobenzene	16.323	146	185001	1.064	ppbv	97
76) 1,4-Dichlorobenzene	16.465	146	181212	1.084	ppbv	98
77) 1,2-Dichlorobenzene	17.133	146	181338	1.044	ppbv	94
78) Hexachloro-1,3-Butadiene	22.628	225	163168m	1.056	ppbv	
79) Naphthalene	21.381	128	269330	0.933	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	62678	0.540	ppbv	89
81) 1,2,4-Trichlorobenzene	21.137	180	147494	0.968	ppbv #	100

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

Manual Integrations

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