

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041093.D
 Acq On : 12 Mar 2024 11:11
 Operator : SY/MD
 Sample : VL0312ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0312ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/13/2024
 Supervised By :Mahesh Dadoda 03/13/2024

Quant Time: Mar 13 01:26:42 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Wed Mar 13 01:22:02 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1427726	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3690228	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	3569504	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2765039 9.908 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2592880	9.531	ppbv	98
3) Chlorodifluoromethane	2.661	51	1985349	9.468	ppbv	99
4) Chloromethane	2.803	50	751369	9.468	ppbv	100
5) Vinyl Chloride	2.909	62	778524	9.640	ppbv	99
6) Bromomethane	3.108	94	319004	9.961	ppbv	100
7) Chloroethane	3.189	64	272319	9.711	ppbv	91
8) Dichlorotetrafluoroethane	2.845	85	1904421	9.640	ppbv	99
9) Propene	2.684	41	668675	9.576	ppbv	99
10) Heptane	7.584	43	1724315	10.320	ppbv	98
11) Trichlorofluoromethane	3.555	101	1988775	9.480	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	1434280	9.299	ppbv	99
13) Ethanol	3.230	45	129979	6.985	ppbv	98
14) Bromoethene	3.356	108	610003	10.143	ppbv	98
15) Acetone	3.459	43	1347473	8.284	ppbv	98
16) 1,3-Butadiene	2.973	39	722676	9.795	ppbv	98
17) tert-Butyl alcohol	3.870	59	1294730	10.750	ppbv	99
18) 1,1-Dichloroethene	3.873	96	642009	9.537	ppbv	98
19) Isopropyl Alcohol	3.568	45	853557	9.824	ppbv	98
20) Methylene Chloride	3.928	84	537085	8.470	ppbv	95
21) Allyl Chloride	3.989	41	936392	10.193	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	649626	8.266	ppbv	95
23) Vinyl Acetate	4.623	43	1660359	9.021	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1347677	8.105	ppbv	99
25) Ethyl Acetate	5.201	43	2913223	9.941	ppbv	100
26) Hexane	5.211	57	1267088	9.675	ppbv	99
27) Carbon Disulfide	4.118	76	1603783	10.215	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	961940	8.306	ppbv	99
29) Chloroform	5.272	83	2150263	9.641	ppbv	97
30) Cyclohexane	6.603	84	1088614	10.030	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1328604	10.420	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	2141267	10.600	ppbv	99
34) 2-Butanone	4.780	43	1773602	9.707	ppbv	97
35) Carbon Tetrachloride	6.494	117	2259146	10.476	ppbv	99
36) Benzene	6.372	78	2726108	9.924	ppbv	98
37) 1,2-Dichloroethane	5.809	62	1614729	9.771	ppbv	99
38) Trichloroethene	7.298	130	1057765	10.602	ppbv	96
39) 1,2-Dichloropropane	7.076	63	1063426	9.678	ppbv	96
40) 1,4-Dioxane	7.285	88	398547	9.213	ppbv #	1
41) Tetrahydrofuran	5.555	42	1103044	10.144	ppbv	98
42) Bromodichloromethane	7.253	83	2386005	10.078	ppbv	100
43) Methyl Methacrylate	7.475	69	1129541	10.631	ppbv	100
44) 2,2,4-Trimethylpentane	7.330	57	4443187	9.686	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	869741	11.892	ppbv	100

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QLast Update : Wed Mar 13 01:22:02 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1024006	11.149	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	1159660	9.894	ppbv	98
48) Dibromochloromethane	9.716	129	2039671	10.677	ppbv	98
49) Bromoform	12.417	173	1648931	10.852	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2824249	10.481	ppbv	99
51) 2-Hexanone	9.555	43	2037442	10.322	ppbv #	98
52) Tetrachloroethene	10.622	164	927923	10.891	ppbv	96
53) Toluene	9.227	91	3122423	10.546	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1669392	11.075	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	1468539	9.616	ppbv	96
57) Chlorobenzene	11.536	112	2440328	9.699	ppbv	98
58) Ethyl Benzene	12.098	91	4222011	10.103	ppbv	98
59) m/p-Xylene	12.381	91	7184401m	19.585	ppbv	
60) o-Xylene	13.066	91	3475361	9.978	ppbv	100
61) Styrene	12.905	104	1804050	11.470	ppbv	99
62) Isopropylbenzene	14.040	105	4973100	9.611	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	2558020	9.771	ppbv	99
64) n-propylbenzene	14.924	120	1323292	10.164	ppbv	95
65) tert-Butylbenzene	16.101	119	4380373	9.741	ppbv	100
66) Benzyl Chloride	16.339	91	354350	11.630	ppbv	98
67) sec-Butylbenzene	16.645	105	6210658	9.601	ppbv	100
69) p-Isopropyltoluene	17.005	119	5061983	10.032	ppbv	100
70) n-Butylbenzene	17.895	91	5467527	10.026	ppbv	99
71) 2-Chlorotoluene	14.809	91	3953624	9.990	ppbv	99
72) 4-Ethyltoluene	15.201	105	3940955	10.277	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3447596	10.159	ppbv	95
74) 1,2,4-Trimethylbenzene	16.117	105	3773095	9.735	ppbv	98
75) 1,3-Dichlorobenzene	16.339	146	2199348	9.937	ppbv	100
76) 1,4-Dichlorobenzene	16.484	146	2170359	9.732	ppbv	99
77) 1,2-Dichlorobenzene	17.149	146	2155920	9.968	ppbv	99
78) Hexachloro-1,3-Butadiene	22.644	225	1283261	8.428	ppbv	99
79) Naphthalene	21.397	128	2949127	13.139	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	520011m	14.453	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	1424119	11.018	ppbv	99

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

