

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040440.D
 Acq On : 16 May 2023 16:19
 Operator : SY/MD
 Sample : VL0516ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Quant Time: May 17 05:14:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Bromochloromethane	5.208	49	1016740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2489887	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2507940m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1960309	9.721	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	2183254	10.931	ppbv	99
3) Chlorodifluoromethane	2.674	51	1237747	9.426	ppbv	100
4) Chloromethane	2.813	50	789187	9.676	ppbv	95
5) Vinyl Chloride	2.922	62	672197	9.286	ppbv	99
6) Bromomethane	3.124	94	218836	9.944	ppbv	100
7) Chloroethane	3.202	64	255175	9.976	ppbv	98
8) Dichlorotetrafluoroethane	2.858	85	1719871	9.583	ppbv	98
9) Propene	2.694	41	491737	9.626	ppbv	99
10) Heptane	7.600	43	1248778	10.579	ppbv	99
11) Trichlorofluoromethane	3.568	101	1779257	9.866	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1245925	9.422	ppbv	99
13) Ethanol	3.250	45	34175m	8.828	ppbv	
14) Bromoethene	3.369	108	529754	10.049	ppbv	98
15) Acetone	3.472	43	1188278	9.238	ppbv	100
16) 1,3-Butadiene	2.986	39	606619	10.274	ppbv	98
17) tert-Butyl alcohol	3.883	59	1224718	9.506	ppbv	99
18) 1,1-Dichloroethene	3.886	96	574119	9.849	ppbv	98
19) Isopropyl Alcohol	3.581	45	567425	9.057	ppbv	99
20) Methylene Chloride	3.941	84	511423	8.926	ppbv	96
21) Allyl Chloride	4.005	41	820146	9.973	ppbv	99
22) trans-1,2-Dichloroethene	4.456	96	562624	9.664	ppbv	100
23) Vinyl Acetate	4.636	43	334228	9.402	ppbv	97
24) 1,1-Dichloroethane	4.575	63	1161729	9.550	ppbv	99
25) Ethyl Acetate	5.218	43	2413240	9.962	ppbv	99
26) Hexane	5.227	57	1019689	10.155	ppbv	98
27) Carbon Disulfide	4.134	76	1416751	10.734	ppbv	99
28) Methyl tert-Butyl Ether	4.597	73	1006912	9.439	ppbv	98
29) Chloroform	5.292	83	1760456	9.615	ppbv	99
30) Cyclohexane	6.623	84	828043	10.137	ppbv	100
31) cis-1,2-Dichloroethene	5.092	61	1027585	10.333	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1799694	9.461	ppbv	99
34) 2-Butanone	4.796	43	1374155	10.367	ppbv	100
35) Carbon Tetrachloride	6.513	117	1839456	10.292	ppbv	98
36) Benzene	6.388	78	2089833	10.334	ppbv	100
37) 1,2-Dichloroethane	5.825	62	1386294	10.491	ppbv	100
38) Trichloroethene	7.311	130	1316848	10.570	ppbv	97
39) 1,2-Dichloropropane	7.092	63	801009	10.112	ppbv	98
40) 1,4-Dioxane	7.308	88	312642	10.376	ppbv	90
41) Tetrahydrofuran	5.571	42	786438	10.692	ppbv	100
42) Bromodichloromethane	7.269	83	1941571	10.855	ppbv	97
43) Methyl Methacrylate	7.497	69	855850	11.440	ppbv	100
44) 2,2,4-Trimethylpentane	7.346	57	3494505	10.442	ppbv	100
45) t-1,3-Dichloropropene	8.735	75	839868	12.815	ppbv	99

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QLast Update : Wed May 17 05:12:40 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	1126645	12.165	ppbv	98
47) 1,1,2-Trichloroethane	8.922	97	892121	10.318	ppbv	97
48) Dibromochloromethane	9.735	129	1571029	11.376	ppbv	100
49) Bromoform	12.436	173	1279474	11.743	ppbv	100
50) 4-Methyl-2-Pentanone	8.201	43	2231519	10.898	ppbv	99
51) 2-Hexanone	9.574	43	1768803	11.727	ppbv #	98
52) Tetrachloroethene	10.642	164	716815	10.438	ppbv	98
53) Toluene	9.246	91	2440105	11.424	ppbv	99
54) 1,2-Dibromoethane	10.034	107	977278	11.310	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.536	131	1134031	9.764	ppbv	98
57) Chlorobenzene	11.558	112	1902894	9.424	ppbv	100
58) Ethyl Benzene	12.118	91	3360208	10.587	ppbv	100
59) m/p-Xylene	12.401	91	5922650m	20.459	ppbv	
60) o-Xylene	13.089	91	2872979	10.427	ppbv	100
61) Styrene	12.928	104	1641765	11.765	ppbv	99
62) Isopropylbenzene	14.060	105	4024037	9.993	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	884048	8.896	ppbv	100
64) n-propylbenzene	14.947	120	1025354	10.320	ppbv	100
65) tert-Butylbenzene	16.124	119	3550003	10.051	ppbv	100
66) Benzyl Chloride	16.359	91	212384	10.135	ppbv	97
67) sec-Butylbenzene	16.667	105	5082012	9.991	ppbv	99
69) p-Isopropyltoluene	17.024	119	4075398	10.200	ppbv	100
70) n-Butylbenzene	17.918	91	4493563	10.092	ppbv	99
71) 2-Chlorotoluene	14.831	91	3144662	10.264	ppbv	99
72) 4-Ethyltoluene	15.224	105	3317666	10.620	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2948588	10.281	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	3260519	9.881	ppbv	100
75) 1,3-Dichlorobenzene	16.362	146	1786759	9.842	ppbv	99
76) 1,4-Dichlorobenzene	16.507	146	1733809	9.875	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1698508	9.657	ppbv	99
78) Hexachloro-1,3-Butadiene	22.667	225	1173208	8.915	ppbv	99
79) Naphthalene	21.420	128	2459203	12.327	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	738148	12.923	ppbv	99
81) 1,2,4-Trichlorobenzene	21.172	180	1299083	10.519	ppbv	99

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

