

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036410.D
 Acq On : 1 Mar 2021 11:33
 Operator : SY/AP
 Sample : VL0301ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0301ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:01 PM

Quant Time: Mar 02 02:54:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1666573	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.20	114	3911682	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.12	117	3472765m	10.00	ppbv	0.06

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2938651	10.28	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	1869884	7.518	ppbv	97
3) Chlorodifluoromethane	3.00	51	1883969	9.098	ppbv	98
4) Chloromethane	3.16	50	949344	9.490	ppbv	98
5) Vinyl Chloride	3.27	62	954730	10.249	ppbv	97
6) Bromomethane	3.49	94	526707	9.513	ppbv	95
7) Chloroethane	3.57	64	328287	9.925	ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	2099899	9.283	ppbv	98
9) Propene	3.02	41	855174	11.077	ppbv	100
10) Heptane	8.15	43	2189806	9.624	ppbv	99
11) Trichlorofluoromethane	3.97	101	2301599	9.450	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1471753	9.755	ppbv	98
13) Ethanol	3.62	45	126679	8.736	ppbv	100
14) Bromoethene	3.75	108	633126	10.027	ppbv	97
15) Acetone	3.87	43	1769951	8.688	ppbv	99
16) 1,3-Butadiene	3.34	39	922150	9.466	ppbv	99
17) tert-Butyl alcohol	4.31	59	1432239	9.057	ppbv	100
18) 1,1-Dichloroethene	4.31	96	654579	9.547	ppbv	98
19) Isopropyl Alcohol	3.99	45	950941	8.426	ppbv #	98
20) Methylene Chloride	4.37	84	560478	8.528	ppbv	94
21) Allyl Chloride	4.43	41	1059817	9.344	ppbv	98
22) trans-1,2-Dichloroethene	4.91	96	619163	9.942	ppbv	98
23) Vinyl Acetate	5.10	43	2293574	9.575	ppbv #	96
24) 1,1-Dichloroethane	5.04	63	1736117	9.800	ppbv	99
25) Ethyl Acetate	5.70	43	3702105	9.413	ppbv	99
26) Hexane	5.71	57	1511190	9.352	ppbv	99
27) Carbon Disulfide	4.57	76	1648314	11.099	ppbv	97
28) Methyl tert-Butyl Ether	5.06	73	2134165	10.110	ppbv	100
29) Chloroform	5.78	83	2419630	9.295	ppbv	98
30) Cyclohexane	7.16	84	1262090	9.391	ppbv	98
31) cis-1,2-Dichloroethene	5.58	61	1508562	9.435	ppbv	96
32) 1,1,1-Trichloroethane	6.54	97	2366618	9.724	ppbv	99
34) 2-Butanone	5.27	43	2348319	9.035	ppbv	100
35) Carbon Tetrachloride	7.05	117	2406274	9.179	ppbv	98
36) Benzene	6.92	78	3179331	9.568	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1861216	9.059	ppbv	99
38) Trichloroethene	7.87	130	1097661	9.221	ppbv	96
39) 1,2-Dichloropropane	7.65	63	1275706	9.451	ppbv	94
40) 1,4-Dioxane	7.86	88	420263	8.986	ppbv #	1
41) Tetrahydrofuran	6.08	42	1429314	9.855	ppbv	99
42) Bromodichloromethane	7.83	83	2584479	9.393	ppbv	100
43) Methyl Methacrylate	8.04	69	1396548	9.966	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	5379984	8.904	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1503623	11.123	ppbv	98
46) cis-1,3-Dichloropropene	8.74	75	1801424	10.490	ppbv	97
47) 1,1,2-Trichloroethane	9.51	97	1253199	9.072	ppbv	97
48) Dibromochloromethane	10.34	129	2079794	10.090	ppbv	99
49) Bromoform	13.08	173	1735798	10.417	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	3643435	9.443	ppbv	99
51) 2-Hexanone	10.17	43	2967860	10.123	ppbv	99
52) Tetrachloroethene	11.26	164	1030847	8.474	ppbv	95
53) Toluene	9.84	91	3521238	9.783	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1877807	9.407	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	1541602	9.651	ppbv #	60
57) Chlorobenzene	12.19	112	2515355	9.375	ppbv	99
58) Ethyl Benzene	12.74	91	4706682	9.898	ppbv	99
59) m/p-Xylene	13.03	91	8067496m	19.314	ppbv	
60) o-Xylene	13.73	91	3820864	9.567	ppbv	100
61) Styrene	13.56	104	2719588	10.988	ppbv	99
62) Isopropylbenzene	14.70	105	5639602	9.421	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2747696	8.720	ppbv	100
64) n-propylbenzene	15.60	120	1476600	10.022	ppbv	98
65) tert-Butylbenzene	16.78	119	4815567	9.402	ppbv	98
66) Benzyl Chloride	17.02	91	1811542	13.010	ppbv	99
67) sec-Butylbenzene	17.33	105	6893130	9.332	ppbv	99
69) p-Isopropyltoluene	17.69	119	5624049	9.852	ppbv	98
70) n-Butylbenzene	18.58	91	5920906	9.672	ppbv	99
71) 2-Chlorotoluene	15.49	91	4477246	9.757	ppbv	98
72) 4-Ethyltoluene	15.88	105	4420558	9.946	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4125386	9.575	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4184510	9.514	ppbv	93
75) 1,3-Dichlorobenzene	17.03	146	2291806	9.600	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2253308	9.089	ppbv	95
77) 1,2-Dichlorobenzene	17.85	146	2246947	9.487	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1581863	8.175	ppbv	99
79) Naphthalene	22.24	128	3016795	11.571	ppbv	96
80) Naphthalene,2-methyl-	25.00	142	654455	13.557	ppbv	96
81) 1,2,4-Trichlorobenzene	21.97	180	1599162	10.053	ppbv	100

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

