

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036346.D
 Acq On : 24 Feb 2021 11:54
 Operator : SY/AP
 Sample : VL0224ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0224ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 4:16:49 PM

Quant Time: Feb 25 05:36:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 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	5.67	49	1653093	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	3873024	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3557487	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3075982	10.51	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2133165	8.646 ppbv	99
3) Chlorodifluoromethane	2.99	51	1943161	9.460 ppbv	100
4) Chloromethane	3.14	50	972660	9.802 ppbv	98
5) Vinyl Chloride	3.26	62	966225	10.457 ppbv	96
6) Bromomethane	3.47	94	561664	10.227 ppbv	96
7) Chloroethane	3.56	64	341662	10.413 ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2215695	9.875 ppbv	100
9) Propene	3.01	41	897694	11.722 ppbv	99
10) Heptane	8.12	43	2282030	10.111 ppbv	100
11) Trichlorofluoromethane	3.95	101	2367898	9.802 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1520016	10.157 ppbv	98
13) Ethanol	3.61	45	184679m	12.839 ppbv	
14) Bromoethene	3.74	108	654826	10.455 ppbv	97
15) Acetone	3.85	43	1843872	9.125 ppbv	100
16) 1,3-Butadiene	3.33	39	939489	9.723 ppbv	99
17) tert-Butyl alcohol	4.29	59	1849073	11.788 ppbv	100
18) 1,1-Dichloroethene	4.29	96	643826	9.467 ppbv	97
19) Isopropyl Alcohol	3.97	45	1247782	11.146 ppbv	# 99
20) Methylene Chloride	4.34	84	565855	8.680 ppbv	94
21) Allyl Chloride	4.41	41	1100754	9.784 ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	633610	10.257 ppbv	97
23) Vinyl Acetate	5.08	43	2490772	10.483 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1798705	10.236 ppbv	99
25) Ethyl Acetate	5.68	43	3818452	9.788 ppbv	99
26) Hexane	5.69	57	1544730	9.638 ppbv	99
27) Carbon Disulfide	4.55	76	1662674	11.287 ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	2173548	10.381 ppbv	100
29) Chloroform	5.75	83	2495846	9.665 ppbv	98
30) Cyclohexane	7.13	84	1327505	9.959 ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1610960	10.158 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2450409	10.150 ppbv	99
34) 2-Butanone	5.25	43	2471182	9.603 ppbv	100
35) Carbon Tetrachloride	7.02	117	2486547	9.579 ppbv	97
36) Benzene	6.89	78	3243709	9.859 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1950181	9.587 ppbv	99
38) Trichloroethene	7.84	130	1121788	9.518 ppbv	94
39) 1,2-Dichloropropane	7.62	63	1334965	9.989 ppbv	99
40) 1,4-Dioxane	7.83	88	470462	10.160 ppbv	# 1
41) Tetrahydrofuran	6.05	42	1464110	10.196 ppbv	99
42) Bromodichloromethane	7.79	83	2750791	10.097 ppbv	98
43) Methyl Methacrylate	8.01	69	1475738	10.636 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5580243	9.328	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1576104	11.775	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	1881549	11.066	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1302720	9.525	ppbv	97
48) Dibromochloromethane	10.31	129	2144803	10.509	ppbv	100
49) Bromoform	13.05	173	1762015	10.679	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	3795574	9.936	ppbv	99
51) 2-Hexanone	10.14	43	3081246	10.615	ppbv #	99
52) Tetrachloroethene	11.23	164	1080126	8.968	ppbv	98
53) Toluene	9.81	91	3652029	10.248	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1947582	9.853	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1605015	9.809	ppbv #	61
57) Chlorobenzene	12.15	112	2627297	9.559	ppbv	97
58) Ethyl Benzene	12.72	91	4953655	10.169	ppbv	98
59) m/p-Xylene	13.00	91	8383266m	19.592	ppbv	
60) o-Xylene	13.70	91	3943520	9.639	ppbv	99
61) Styrene	13.53	104	2836982	11.189	ppbv	99
62) Isopropylbenzene	14.67	105	5828062	9.504	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2790191	8.644	ppbv	98
64) n-propylbenzene	15.57	120	1533204	10.159	ppbv	99
65) tert-Butylbenzene	16.75	119	4947144	9.429	ppbv	99
66) Benzyl Chloride	17.00	91	1762471	12.356	ppbv	98
67) sec-Butylbenzene	17.30	105	7122824	9.413	ppbv	99
69) p-Isopropyltoluene	17.66	119	5832573	9.974	ppbv	100
70) n-Butylbenzene	18.56	91	6158615	9.821	ppbv	99
71) 2-Chlorotoluene	15.46	91	4563927	9.709	ppbv	98
72) 4-Ethyltoluene	15.85	105	4617315	10.141	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4272542	9.681	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4342973	9.639	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2382556	9.742	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2340944	9.218	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2327294	9.593	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1667125	8.411	ppbv	99
79) Naphthalene	22.20	128	3208869	12.014	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1008075	20.384	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1711065m	10.500	ppbv	

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

