

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036380.D
 Acq On : 25 Feb 2021 13:36
 Operator : SY/AP
 Sample : VL0225ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0225ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:02:12 AM

Quant Time: Feb 26 01:02:36 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	5.66	49	1621177	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3723564	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3486519m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2967300	10.34	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2156381	8.912 ppbv	99
3) Chlorodifluoromethane	2.98	51	1985622	9.857 ppbv	100
4) Chloromethane	3.13	50	1014672	10.427 ppbv	97
5) Vinyl Chloride	3.25	62	944940	10.428 ppbv	97
6) Bromomethane	3.47	94	570783	10.597 ppbv	100
7) Chloroethane	3.55	64	335343	10.422 ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2246192	10.208 ppbv	99
9) Propene	3.00	41	906962	12.077 ppbv	99
10) Heptane	8.11	43	2345392	10.597 ppbv	100
11) Trichlorofluoromethane	3.94	101	2393190	10.101 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1506147	10.263 ppbv	99
13) Ethanol	3.60	45	153234m	10.863 ppbv	
14) Bromoethene	3.73	108	638207	10.390 ppbv	100
15) Acetone	3.84	43	1858989	9.381 ppbv	99
16) 1,3-Butadiene	3.32	39	949176	10.017 ppbv	100
17) tert-Butyl alcohol	4.28	59	1545783	10.049 ppbv	100
18) 1,1-Dichloroethene	4.28	96	651841	9.773 ppbv	97
19) Isopropyl Alcohol	3.96	45	1032256	9.402 ppbv	# 98
20) Methylene Chloride	4.33	84	585174	9.153 ppbv	92
21) Allyl Chloride	4.40	41	1139481	10.328 ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	631402	10.422 ppbv	95
23) Vinyl Acetate	5.07	43	2400456	10.302 ppbv	# 96
24) 1,1-Dichloroethane	5.00	63	1797852	10.433 ppbv	98
25) Ethyl Acetate	5.67	43	3904143	10.205 ppbv	99
26) Hexane	5.68	57	1578282	10.041 ppbv	99
27) Carbon Disulfide	4.54	76	1642829	11.372 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	2168644	10.561 ppbv	100
29) Chloroform	5.74	83	2556082	10.094 ppbv	99
30) Cyclohexane	7.12	84	1326926	10.150 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1614683	10.381 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2501689	10.567 ppbv	98
34) 2-Butanone	5.24	43	2415385	9.763 ppbv	100
35) Carbon Tetrachloride	7.01	117	2545692	10.201 ppbv	96
36) Benzene	6.89	78	3312608	10.473 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1968242	10.064 ppbv	100
38) Trichloroethene	7.83	130	1149196	10.142 ppbv	96
39) 1,2-Dichloropropane	7.61	63	1349067	10.499 ppbv	97
40) 1,4-Dioxane	7.82	88	442696	9.944 ppbv	# 1
41) Tetrahydrofuran	6.04	42	1482031	10.735 ppbv	99
42) Bromodichloromethane	7.79	83	2740854	10.465 ppbv	97
43) Methyl Methacrylate	8.01	69	1475869	11.064 ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5703844	9.917	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1572375	12.219	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1913762	11.708	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1341300	10.200	ppbv	95
48) Dibromochloromethane	10.30	129	2201507	11.220	ppbv	99
49) Bromoform	13.04	173	1842616	11.616	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	3832009	10.434	ppbv	99
51) 2-Hexanone	10.13	43	3131010	11.219	ppbv #	99
52) Tetrachloroethene	11.22	164	1085422	9.374	ppbv	95
53) Toluene	9.80	91	3699070	10.797	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1985442	10.448	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1656242	10.328	ppbv #	60
57) Chlorobenzene	12.14	112	2679475	9.947	ppbv	96
58) Ethyl Benzene	12.71	91	5050425	10.579	ppbv	99
59) m/p-Xylene	12.99	91	8543370m	20.373	ppbv	
60) o-Xylene	13.69	91	4084130	10.186	ppbv	99
61) Styrene	13.53	104	2875420	11.572	ppbv	99
62) Isopropylbenzene	14.66	105	6013467	10.006	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2950801	9.327	ppbv	100
64) n-propylbenzene	15.56	120	1576365	10.657	ppbv	96
65) tert-Butylbenzene	16.74	119	5116138	9.950	ppbv	98
66) Benzyl Chloride	16.99	91	1948564	13.939	ppbv	100
67) sec-Butylbenzene	17.29	105	7302456	9.847	ppbv	99
69) p-Isopropyltoluene	17.65	119	5959993	10.400	ppbv	99
70) n-Butylbenzene	18.55	91	6285879	10.228	ppbv	98
71) 2-Chlorotoluene	15.45	91	4763917	10.340	ppbv	99
72) 4-Ethyltoluene	15.84	105	4712379	10.561	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4439711	10.264	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4450803	10.079	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2437440	10.169	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2439255	9.800	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	2387523	10.041	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1701513	8.759	ppbv	100
79) Naphthalene	22.20	128	3290972	12.573	ppbv	97
80) Naphthalene, 2-methyl-	24.98	142	842515	17.383	ppbv	91
81) 1,2,4-Trichlorobenzene	21.93	180	1726595	10.811	ppbv	100

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

