

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037297.D
 Acq On : 31 Jul 2021 00:36
 Operator : SY/AP
 Sample : VL0730ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:58:00 AM

Quant Time: Jul 31 01:44:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 31 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1185782	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	3751711	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3530851m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2720699	10.59	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1127522	6.607	ppbv	98
3) Chlorodifluoromethane	2.98	51	2168747	9.127	ppbv	99
4) Chloromethane	3.13	50	771702	9.313	ppbv	100
5) Vinyl Chloride	3.25	62	853501	9.533	ppbv	99
6) Bromomethane	3.47	94	515188	10.147	ppbv	98
7) Chloroethane	3.55	64	302315	9.581	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1745609	8.602	ppbv	99
9) Propene	3.00	41	722855	9.043	ppbv	100
10) Heptane	8.12	43	1876252	9.861	ppbv	99
11) Trichlorofluoromethane	3.94	101	2073727	9.782	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1525736	9.675	ppbv	99
13) Ethanol	3.60	45	121807m	6.933	ppbv	
14) Bromoethene	3.73	108	665221	9.983	ppbv	98
15) Acetone	3.84	43	1125082	5.268	ppbv	99
16) 1,3-Butadiene	3.32	39	794205	9.913	ppbv	98
17) tert-Butyl alcohol	4.29	59	1305795	9.615	ppbv	99
18) 1,1-Dichloroethene	4.28	96	705111	10.174	ppbv	95
19) Isopropyl Alcohol	3.96	45	793095	9.598	ppbv	100
20) Methylene Chloride	4.34	84	721864	8.734	ppbv	94
21) Allyl Chloride	4.41	41	950456	9.995	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	701523	10.605	ppbv	99
23) Vinyl Acetate	5.07	43	1942043	10.776	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1395208	9.971	ppbv	98
25) Ethyl Acetate	5.67	43	3031725	9.783	ppbv	99
26) Hexane	5.68	57	1552810	9.376	ppbv	98
27) Carbon Disulfide	4.55	76	1551682	11.374	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1492293	9.328	ppbv	100
29) Chloroform	5.75	83	2282881	9.619	ppbv	99
30) Cyclohexane	7.13	84	1286013	9.930	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1402986	9.996	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2314780	9.809	ppbv	99
34) 2-Butanone	5.24	43	1377371	8.556	ppbv	100
35) Carbon Tetrachloride	7.01	117	2462397	10.357	ppbv	100
36) Benzene	6.89	78	3022815	9.517	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1647600	9.957	ppbv	99
38) Trichloroethene	7.83	130	1302094	9.084	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1124083	9.410	ppbv	98
40) 1,4-Dioxane	7.84	88	271393	7.887	ppbv	# 1
41) Tetrahydrofuran	6.05	42	686710	10.616	ppbv	98
42) Bromodichloromethane	7.79	83	2431658	10.534	ppbv	98
43) Methyl Methacrylate	8.01	69	1098499	10.404	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	4953802	9.540	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1052872	11.900	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1340167	11.231	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1313350	9.801	ppbv	98
48) Dibromochloromethane	10.30	129	2253960	10.987	ppbv	99
49) Bromoform	13.04	173	1865262	11.704	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1987092	9.748	ppbv	100
51) 2-Hexanone	10.14	43	958262	10.181	ppbv #	100
52) Tetrachloroethene	11.22	164	1305783	9.326	ppbv	98
53) Toluene	9.81	91	3700508	9.910	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1950475	10.295	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1560236	10.095	ppbv	96
57) Chlorobenzene	12.15	112	2891387	9.789	ppbv	100
58) Ethyl Benzene	12.71	91	4882538	10.058	ppbv	100
59) m/p-Xylene	13.00	91	8281220m	19.816	ppbv	
60) o-Xylene	13.69	91	3976794	9.958	ppbv	100
61) Styrene	13.53	104	2214661	10.849	ppbv	98
62) Isopropylbenzene	14.67	105	5545867	9.831	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2692847	9.560	ppbv	99
64) n-propylbenzene	15.56	120	1465189	10.017	ppbv	93
65) tert-Butylbenzene	16.75	119	5092179	9.753	ppbv	100
66) Benzyl Chloride	16.99	91	301306	11.744	ppbv	98
67) sec-Butylbenzene	17.30	105	6850776	9.924	ppbv	100
69) p-Isopropyltoluene	17.66	119	5939420	10.050	ppbv	100
70) n-Butylbenzene	18.55	91	5584795	10.014	ppbv	100
71) 2-Chlorotoluene	15.46	91	3962211	9.855	ppbv	99
72) 4-Ethyltoluene	15.84	105	4688109	9.913	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4313634	9.876	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4644495	9.645	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2932766	10.129	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2892483	9.676	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2807994	10.102	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1875333	8.994	ppbv	99
79) Naphthalene	22.20	128	3538082	9.382	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	813470	7.501	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2129445	9.356	ppbv	97

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

