

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037322.D
 Acq On : 5 Aug 2021 00:31
 Operator : SY/AP
 Sample : VL0804ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 1:40:25 PM

Quant Time: Aug 05 04:08:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1175633	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3862716	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3372552m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2375551	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1855918	7.775	ppbv	98
3) Chlorodifluoromethane	2.98	51	2011231	8.414	ppbv	98
4) Chloromethane	3.14	50	726799	8.490	ppbv	95
5) Vinyl Chloride	3.25	62	809418	9.034	ppbv	95
6) Bromomethane	3.47	94	490716	8.875	ppbv	97
7) Chloroethane	3.56	64	283717	8.912	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1959048	8.578	ppbv	98
9) Propene	3.01	41	706379	8.173	ppbv	100
10) Heptane	8.11	43	1747227	8.655	ppbv	98
11) Trichlorofluoromethane	3.94	101	1928737	8.783	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1417664	8.879	ppbv	98
13) Ethanol	3.61	45	85786	6.590	ppbv	92
14) Bromoethene	3.73	108	654222	9.178	ppbv	99
15) Acetone	3.84	43	953854	7.469	ppbv	98
16) 1,3-Butadiene	3.32	39	716373	8.708	ppbv	99
17) tert-Butyl alcohol	4.29	59	1161903	9.059	ppbv	100
18) 1,1-Dichloroethene	4.28	96	661437	9.069	ppbv	94
19) Isopropyl Alcohol	3.96	45	658794	9.321	ppbv	100
20) Methylene Chloride	4.34	84	574105	5.430	ppbv	99
21) Allyl Chloride	4.41	41	889804	8.608	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	633445	9.534	ppbv	96
23) Vinyl Acetate	5.07	43	1730883	8.976	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1453386	8.814	ppbv	100
25) Ethyl Acetate	5.67	43	2712618	8.168	ppbv	99
26) Hexane	5.68	57	1345247	7.240	ppbv	99
27) Carbon Disulfide	4.55	76	1458638	9.646	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1705755	8.644	ppbv	100
29) Chloroform	5.74	83	2048616	8.705	ppbv	98
30) Cyclohexane	7.12	84	1228578	8.573	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1300950	9.014	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2089290	9.311	ppbv	99
34) 2-Butanone	5.24	43	1174300	8.761	ppbv	99
35) Carbon Tetrachloride	7.01	117	2178742	9.452	ppbv	99
36) Benzene	6.88	78	2906574	8.361	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1454111	9.094	ppbv	99
38) Trichloroethene	7.83	130	1254071	8.243	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1082878	8.365	ppbv	96
40) 1,4-Dioxane	7.83	88	309994m	8.324	ppbv	
41) Tetrahydrofuran	6.04	42	658915	8.839	ppbv	99
42) Bromodichloromethane	7.78	83	2194543	9.117	ppbv	99
43) Methyl Methacrylate	8.01	69	1050096	8.902	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4652990	8.097	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	968050	10.391	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1288661	9.608	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1171297	8.511	ppbv	97
48) Dibromochloromethane	10.29	129	1943385	9.528	ppbv	99
49) Bromoform	13.03	173	1508172	9.862	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1794931	8.745	ppbv	98
51) 2-Hexanone	10.13	43	883195	9.464	ppbv #	99
52) Tetrachloroethene	11.21	164	1187886	7.934	ppbv	97
53) Toluene	9.80	91	3454498	8.418	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1712335	8.959	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1310208	8.999	ppbv	98
57) Chlorobenzene	12.14	112	2465875	8.660	ppbv	99
58) Ethyl Benzene	12.70	91	4176028	8.430	ppbv	99
59) m/p-Xylene	12.99	91	7352338m	17.620	ppbv	
60) o-Xylene	13.68	91	3321526	8.759	ppbv	95
61) Styrene	13.52	104	1975511	9.503	ppbv	96
62) Isopropylbenzene	14.65	105	4834351	8.780	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	2317351	8.416	ppbv	100
64) n-propylbenzene	15.55	120	1300585	9.033	ppbv	97
65) tert-Butylbenzene	16.73	119	4391527	8.648	ppbv	100
66) Benzyl Chloride	16.97	91	206386	10.456	ppbv	99
67) sec-Butylbenzene	17.28	105	5930137	8.658	ppbv	100
69) p-Isopropyltoluene	17.64	119	5153033	8.944	ppbv	99
70) n-Butylbenzene	18.54	91	4865028	9.232	ppbv	100
71) 2-Chlorotoluene	15.44	91	3390109	8.811	ppbv	100
72) 4-Ethyltoluene	15.82	105	4240790	9.264	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3723796	9.048	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3951352	8.996	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2521706	9.339	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2473482	9.236	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2424801	9.221	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2003074	8.482	ppbv	99
79) Naphthalene	22.18	128	4330214	10.741	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	995373	15.193	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2352237	10.044	ppbv	100

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

