

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037066.D
 Acq On : 1 Jun 2021 11:33
 Operator : SY/AP
 Sample : VL0601ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2021 2:58:20 PM

Quant Time: Jun 02 03:19:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368174	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4252626	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3916421m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3154356	10.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1929227	8.312	ppbv	99
3) Chlorodifluoromethane	2.98	51	2675206	10.673	ppbv	95
4) Chloromethane	3.13	50	897407	10.521	ppbv	99
5) Vinyl Chloride	3.25	62	991171	10.631	ppbv	98
6) Bromomethane	3.46	94	539687	10.986	ppbv	99
7) Chloroethane	3.55	64	357854	11.821	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2458216	11.280	ppbv	97
9) Propene	3.00	41	856430	9.542	ppbv	98
10) Heptane	8.10	43	2205722	9.861	ppbv	100
11) Trichlorofluoromethane	3.93	101	2655447	12.360	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1860410	12.157	ppbv	96
13) Ethanol	3.60	45	98855	8.255	ppbv	84
14) Bromoethene	3.73	108	805815	11.955	ppbv	99
15) Acetone	3.84	43	1362982	9.726	ppbv	95
16) 1,3-Butadiene	3.31	39	959449	11.020	ppbv	98
17) tert-Butyl alcohol	4.28	59	1407876	10.968	ppbv	98
18) 1,1-Dichloroethene	4.27	96	834255	11.790	ppbv	99
19) Isopropyl Alcohol	3.96	45	862592	11.451	ppbv #	34
20) Methylene Chloride	4.33	84	699587	9.313	ppbv	97
21) Allyl Chloride	4.40	41	1137197	10.757	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	822788	12.133	ppbv	97
23) Vinyl Acetate	5.06	43	2384537	10.720	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1724996	10.774	ppbv	100
25) Ethyl Acetate	5.66	43	3409874	10.126	ppbv	99
26) Hexane	5.67	57	1665663	9.682	ppbv	97
27) Carbon Disulfide	4.54	76	1983340	11.439	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2050464	9.944	ppbv	99
29) Chloroform	5.74	83	2737306	11.263	ppbv	97
30) Cyclohexane	7.11	84	1503584	10.285	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1680734	10.897	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	2876550	11.022	ppbv	99
34) 2-Butanone	5.23	43	1640382	10.593	ppbv	98
35) Carbon Tetrachloride	7.00	117	3106777	10.995	ppbv	99
36) Benzene	6.87	78	3513750	9.592	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2079838	11.452	ppbv	98
38) Trichloroethene	7.82	130	1495370	9.543	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1326520	9.401	ppbv	94
40) 1,4-Dioxane	7.82	88	337225	10.121	ppbv #	100
41) Tetrahydrofuran	6.03	42	796890	9.036	ppbv	98
42) Bromodichloromethane	7.77	83	3033373	11.041	ppbv	99
43) Methyl Methacrylate	8.00	69	1279011	10.131	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5756669	9.160	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1011736	10.489	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1335249	10.292	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1513083	10.245	ppbv	98
48) Dibromochloromethane	10.28	129	2742160	11.467	ppbv	100
49) Bromoform	13.02	173	2279939	11.545	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2499906	9.783	ppbv	99
51) 2-Hexanone	10.12	43	1324339	9.804	ppbv #	97
52) Tetrachloroethene	11.20	164	1455571	9.993	ppbv	96
53) Toluene	9.78	91	4225842	9.696	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2231075	10.626	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1842813	11.183	ppbv #	55
57) Chlorobenzene	12.13	112	3219668	10.603	ppbv	99
58) Ethyl Benzene	12.69	91	5625916	10.178	ppbv	99
59) m/p-Xylene	12.97	91	9537931m	20.875	ppbv	
60) o-Xylene	13.67	91	4567915	10.482	ppbv	98
61) Styrene	13.51	104	2640503	10.756	ppbv	98
62) Isopropylbenzene	14.64	105	6421209	10.253	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3085830	9.482	ppbv	99
64) n-propylbenzene	15.54	120	1765556	10.927	ppbv	99
65) tert-Butylbenzene	16.72	119	5925801	10.486	ppbv	99
66) Benzyl Chloride	16.97	91	296420	9.454	ppbv	99
67) sec-Butylbenzene	17.27	105	7956727	10.321	ppbv	99
69) p-Isopropyltoluene	17.63	119	7020346	10.591	ppbv	99
70) n-Butylbenzene	18.53	91	6794199	10.790	ppbv	99
71) 2-Chlorotoluene	15.43	91	4708317	10.409	ppbv	98
72) 4-Ethyltoluene	15.82	105	5636243	10.898	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5197335	10.701	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	5404396	10.762	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	3366593	10.978	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3272978	10.556	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3294230	10.721	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2381247	9.638	ppbv	100
79) Naphthalene	22.17	128	4749775	12.054	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	871728	10.174	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2669020	11.112	ppbv	100

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

