

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037464.D
 Acq On : 16 Aug 2021 16:44
 Operator : SY/AP
 Sample : VL0816ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0816ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:24 PM

Quant Time: Aug 17 02:49:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:49:11 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1524644	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4461302	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4041298m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3005061	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1946867	7.958	ppbv	96
3) Chlorodifluoromethane	2.98	51	2594824	8.888	ppbv	99
4) Chloromethane	3.13	50	921360	8.831	ppbv	92
5) Vinyl Chloride	3.25	62	956633	8.950	ppbv	96
6) Bromomethane	3.47	94	472225	8.065	ppbv	99
7) Chloroethane	3.55	64	329096	9.021	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2210426	8.753	ppbv	99
9) Propene	3.00	41	925184	8.857	ppbv	99
10) Heptane	8.11	43	2302165	9.575	ppbv	98
11) Trichlorofluoromethane	3.94	101	2060376	8.973	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1594560	9.463	ppbv	98
13) Ethanol	3.60	45	68479	6.737	ppbv #	64
14) Bromoethene	3.73	108	689592	9.015	ppbv	97
15) Acetone	3.84	43	1170191	7.542	ppbv	97
16) 1,3-Butadiene	3.32	39	949708	9.542	ppbv	98
17) tert-Butyl alcohol	4.28	59	1407363	9.929	ppbv	100
18) 1,1-Dichloroethene	4.28	96	691933	9.040	ppbv	99
19) Isopropyl Alcohol	3.96	45	818151	9.204	ppbv #	1
20) Methylene Chloride	4.33	84	622672	8.015	ppbv	93
21) Allyl Chloride	4.40	41	1135362	9.009	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	731777	9.583	ppbv	97
23) Vinyl Acetate	5.06	43	1892988	8.277	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1509265	9.099	ppbv	99
25) Ethyl Acetate	5.66	43	3594426	9.125	ppbv	99
26) Hexane	5.67	57	1695500	8.804	ppbv	100
27) Carbon Disulfide	4.54	76	1796598	10.468	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1577227	8.527	ppbv	99
29) Chloroform	5.74	83	2433029	8.914	ppbv	99
30) Cyclohexane	7.12	84	1460592	9.102	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1641124	9.415	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2412809	8.997	ppbv	98
34) 2-Butanone	5.23	43	1478866	8.118	ppbv	98
35) Carbon Tetrachloride	7.01	117	2557040	9.698	ppbv	99
36) Benzene	6.88	78	3596927	9.591	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1784869	9.608	ppbv	99
38) Trichloroethene	7.82	130	1408618	9.154	ppbv	94
39) 1,2-Dichloropropane	7.60	63	1382714	9.595	ppbv	97
40) 1,4-Dioxane	7.83	88	343620m	9.733	ppbv	
41) Tetrahydrofuran	6.04	42	853188	9.722	ppbv	99
42) Bromodichloromethane	7.78	83	2676498	9.853	ppbv	96
43) Methyl Methacrylate	8.00	69	1294953	9.907	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5899129	9.346	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	883379	8.977	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1181018	8.604	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1447476	9.296	ppbv	94
48) Dibromochloromethane	10.29	129	2339172	10.439	ppbv	99
49) Bromoform	13.02	173	1898018	10.745	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2396916	10.085	ppbv	98
51) 2-Hexanone	10.12	43	1127134	10.310	ppbv #	100
52) Tetrachloroethene	11.21	164	1337592	8.704	ppbv	97
53) Toluene	9.79	91	4160509	9.716	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2053099	9.445	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.11	131	1609203	9.556	ppbv	100
57) Chlorobenzene	12.13	112	3010465	8.976	ppbv	97
58) Ethyl Benzene	12.69	91	5328712	9.502	ppbv	99
59) m/p-Xylene	12.98	91	8946600m	18.401	ppbv	
60) o-Xylene	13.68	91	4119598	9.078	ppbv	99
61) Styrene	13.51	104	2405047	10.202	ppbv	99
62) Isopropylbenzene	14.65	105	5895936	9.206	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3085645	9.149	ppbv	98
64) n-propylbenzene	15.55	120	1590241m	9.757	ppbv	
65) tert-Butylbenzene	16.73	119	5301020	9.088	ppbv	100
66) Benzyl Chloride	16.97	91	255733	9.692	ppbv	98
67) sec-Butylbenzene	17.27	105	7377184	9.052	ppbv	99
69) p-Isopropyltoluene	17.64	119	6279572	9.455	ppbv	100
70) n-Butylbenzene	18.53	91	6119058	9.641	ppbv	100
71) 2-Chlorotoluene	15.43	91	4382359	9.331	ppbv	100
72) 4-Ethyltoluene	15.82	105	5167607	9.574	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4802411	9.559	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4795815	8.983	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2947403	9.172	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2877492	8.888	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2870953	9.072	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2179730	8.284	ppbv	100
79) Naphthalene	22.18	128	3648669m	10.212	ppbv	
80) Naphthalene, 2-methyl-	24.96	142	921290	9.256	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2203603	9.829	ppbv	97

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

