

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037497.D
 Acq On : 19 Aug 2021 13:08
 Operator : SY/AP
 Sample : VL0819ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:31:01 PM

Quant Time: Aug 20 00:31:07 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 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	5.67	49	1485882	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4317522	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	3808109	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2861098	10.58	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2089650	8.765	ppbv	99
3) Chlorodifluoromethane	3.00	51	2573675	9.045	ppbv	99
4) Chloromethane	3.15	50	963701	9.478	ppbv	96
5) Vinyl Chloride	3.26	62	965733	9.271	ppbv	99
6) Bromomethane	3.48	94	468954	8.218	ppbv	95
7) Chloroethane	3.57	64	331582	9.326	ppbv	93
8) Dichlorotetrafluoroethane	3.20	85	2258068	9.175	ppbv	100
9) Propene	3.02	41	900133	8.842	ppbv	100
10) Heptane	8.13	43	2267606	9.677	ppbv	100
11) Trichlorofluoromethane	3.96	101	2073340	9.265	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1597124	9.726	ppbv	97
13) Ethanol	3.61	45	87130m	8.795	ppbv	
14) Bromoethene	3.75	108	671777	9.011	ppbv	95
15) Acetone	3.85	43	1164961	7.704	ppbv	99
16) 1,3-Butadiene	3.33	39	926858	9.555	ppbv	98
17) tert-Butyl alcohol	4.29	59	1369928	9.917	ppbv	98
18) 1,1-Dichloroethene	4.29	96	693229	9.293	ppbv	98
19) Isopropyl Alcohol	3.97	45	709220	8.186	ppbv #	94
20) Methylene Chloride	4.35	84	612198	8.086	ppbv	94
21) Allyl Chloride	4.42	41	1101875	8.971	ppbv	94
22) trans-1,2-Dichloroethene	4.89	96	758319	10.189	ppbv	99
23) Vinyl Acetate	5.08	43	1742789	7.819	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1455592	9.004	ppbv	99
25) Ethyl Acetate	5.68	43	3530638	9.197	ppbv	100
26) Hexane	5.69	57	1664846	8.870	ppbv	99
27) Carbon Disulfide	4.56	76	1779772	10.640	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1509597	8.374	ppbv	100
29) Chloroform	5.76	83	2445118	9.192	ppbv	99
30) Cyclohexane	7.13	84	1438386	9.197	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1580431	9.303	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2405613	9.204	ppbv	98
34) 2-Butanone	5.25	43	1510967	8.570	ppbv	95
35) Carbon Tetrachloride	7.02	117	2532540	9.925	ppbv	98
36) Benzene	6.90	78	3546958	9.772	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1765280	9.819	ppbv	100
38) Trichloroethene	7.84	130	1401394	9.411	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1327489	9.518	ppbv	95
40) 1,4-Dioxane	7.84	88	324220m	9.489	ppbv	
41) Tetrahydrofuran	6.05	42	803654	9.462	ppbv	99
42) Bromodichloromethane	7.80	83	2625181	9.986	ppbv	99
43) Methyl Methacrylate	8.02	69	1268030	10.024	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5884961	9.634	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	903661	9.489	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	1174185	8.839	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1441371	9.565	ppbv	97
48) Dibromochloromethane	10.31	129	2306759	10.637	ppbv	99
49) Bromoform	13.04	173	1837165	10.747	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2341695	10.181	ppbv	99
51) 2-Hexanone	10.14	43	1142868	10.803	ppbv #	98
52) Tetrachloroethene	11.23	164	1321837	8.888	ppbv	96
53) Toluene	9.81	91	4107962	9.912	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2038096	9.688	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1603098	10.103	ppbv	99
57) Chlorobenzene	12.15	112	3009218	9.522	ppbv	98
58) Ethyl Benzene	12.72	91	5300913	10.031	ppbv	99
59) m/p-Xylene	13.00	91	8957745m	19.553	ppbv	
60) o-Xylene	13.70	91	4156199	9.720	ppbv	100
61) Styrene	13.53	104	2360906	10.628	ppbv	99
62) Isopropylbenzene	14.67	105	5809179	9.626	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3088728	9.719	ppbv	99
64) n-propylbenzene	15.56	120	1568913	10.216	ppbv	99
65) tert-Butylbenzene	16.74	119	5311818	9.665	ppbv	99
66) Benzyl Chloride	16.99	91	316214m	12.719	ppbv	
67) sec-Butylbenzene	17.29	105	7374811	9.603	ppbv	99
69) p-Isopropyltoluene	17.65	119	6244055	9.978	ppbv	99
70) n-Butylbenzene	18.55	91	6100982	10.201	ppbv	100
71) 2-Chlorotoluene	15.46	91	4392895	9.926	ppbv	99
72) 4-Ethyltoluene	15.84	105	5143858	10.114	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4607004	9.731	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4819268	9.579	ppbv #	89
75) 1,3-Dichlorobenzene	17.00	146	2913530	9.621	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2854788	9.358	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2839403	9.522	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2172493	8.763	ppbv	100
79) Naphthalene	22.19	128	3622040	10.759	ppbv	97
80) Naphthalene, 2-methyl-	24.97	142	914341	9.749	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	2186072	10.348	ppbv	99

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

