

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037171.D
 Acq On : 16 Jun 2021 14:27
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061621

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:37:29 PM

Quant Time: Jun 16 15:55:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 15:55:30 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1554410	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4639615	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4254931m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3308249	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2367459	8.758	ppbv	98
3) Chlorodifluoromethane	2.99	51	2676620	8.856	ppbv	100
4) Chloromethane	3.14	50	933178	9.264	ppbv	98
5) Vinyl Chloride	3.26	62	992840	8.968	ppbv	99
6) Bromomethane	3.47	94	615966	9.326	ppbv	97
7) Chloroethane	3.56	64	363659	9.190	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2482353	8.951	ppbv	99
9) Propene	3.01	41	868330	8.985	ppbv	99
10) Heptane	8.13	43	2184087	9.331	ppbv	99
11) Trichlorofluoromethane	3.95	101	2575682	8.929	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1846958	9.083	ppbv	99
13) Ethanol	3.62	45	118984	7.959	ppbv	58
14) Bromoethene	3.74	108	795980	9.379	ppbv	99
15) Acetone	3.85	43	1326977	7.570	ppbv	97
16) 1,3-Butadiene	3.33	39	975267	9.411	ppbv	99
17) tert-Butyl alcohol	4.29	59	1608151	9.927	ppbv	100
18) 1,1-Dichloroethene	4.29	96	840937	9.333	ppbv	99
19) Isopropyl Alcohol	3.97	45	956353	9.008	ppbv	100
20) Methylene Chloride	4.35	84	740717m	7.058	ppbv	
21) Allyl Chloride	4.41	41	1193059	9.030	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	849952	9.533	ppbv	98
23) Vinyl Acetate	5.08	43	2240202	8.913	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1846437	9.124	ppbv	100
25) Ethyl Acetate	5.68	43	3511994	9.255	ppbv	99
26) Hexane	5.69	57	1669334	8.704	ppbv	100
27) Carbon Disulfide	4.56	76	1970422	10.486	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2108580	9.145	ppbv	99
29) Chloroform	5.76	83	2720293	9.182	ppbv	100
30) Cyclohexane	7.14	84	1451686	9.084	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1728450	9.807	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2825005	8.911	ppbv	99
34) 2-Butanone	5.25	43	1619439	8.975	ppbv	100
35) Carbon Tetrachloride	7.02	117	3010191	9.673	ppbv	100
36) Benzene	6.90	78	3475676	9.264	ppbv	99
37) 1,2-Dichloroethane	6.31	62	2027476	9.303	ppbv	99
38) Trichloroethene	7.84	130	1526815	8.561	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1333276	9.564	ppbv	99
40) 1,4-Dioxane	7.84	88	348577	9.118	ppbv	86
41) Tetrahydrofuran	6.06	42	807826	9.638	ppbv	99
42) Bromodichloromethane	7.80	83	2970524	9.880	ppbv	98
43) Methyl Methacrylate	8.02	69	1283762	9.908	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5683527	8.996	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1305832	11.423	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1671695	10.690	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1478884	9.298	ppbv	97
48) Dibromochloromethane	10.31	129	2647520	10.545	ppbv	99
49) Bromoform	13.05	173	2166165	11.580	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2377376	9.592	ppbv	98
51) 2-Hexanone	10.14	43	1223411	10.145	ppbv	97
52) Tetrachloroethene	11.23	164	1441162	8.267	ppbv	99
53) Toluene	9.81	91	4154779	9.271	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2216933	9.699	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1778533	9.560	ppbv	97
57) Chlorobenzene	12.16	112	3185429	9.231	ppbv	96
58) Ethyl Benzene	12.72	91	5509370	9.406	ppbv	100
59) m/p-Xylene	13.01	91	9260840m	18.657	ppbv	
60) o-Xylene	13.70	91	4409502	9.329	ppbv	100
61) Styrene	13.54	104	2545575	10.435	ppbv	98
62) Isopropylbenzene	14.68	105	6171181	9.182	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2953895	9.386	ppbv	100
64) n-propylbenzene	15.57	120	1659365	9.859	ppbv	98
65) tert-Butylbenzene	16.75	119	5620611	9.429	ppbv	100
66) Benzyl Chloride	17.00	91	279437	11.062	ppbv	98
67) sec-Butylbenzene	17.30	105	7504152	9.441	ppbv	100
69) p-Isopropyltoluene	17.66	119	6547482	9.752	ppbv	100
70) n-Butylbenzene	18.56	91	6206043	9.987	ppbv	100
71) 2-Chlorotoluene	15.46	91	4539862	9.661	ppbv	99
72) 4-Ethyltoluene	15.85	105	5281220	9.836	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4907779	9.456	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	5114841	9.564	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	3201911	9.847	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	3039274	9.358	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3036512	9.653	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2034047	7.521	ppbv	99
79) Naphthalene	22.21	128	4046110	9.074	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1349119	11.537	ppbv	94
81) 1,2,4-Trichlorobenzene	21.94	180	2281900	8.869	ppbv	98

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

