

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035118.D
 Acq On : 22 Jun 2020 19:54
 Operator : SY/AP
 Sample : VL0622ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:46 AM

Quant Time: Jun 23 01:57:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 23 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1276456	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2985344	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	3049321m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2449948	9.67	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1449056	8.407	ppbv 98
3) Chlorodifluoromethane	2.95	51	1283961	9.106	ppbv 98
4) Chloromethane	3.10	50	735158	9.301	ppbv 94
5) Vinyl Chloride	3.22	62	751438	9.997	ppbv 98
6) Bromomethane	3.44	94	450114	9.643	ppbv 93
7) Chloroethane	3.53	64	270751	9.552	ppbv 100
8) Dichlorotetrafluoroethane	3.15	85	1702108	9.210	ppbv 99
9) Propene	2.97	41	528251	9.461	ppbv 99
10) Heptane	8.14	43	1491058	10.304	ppbv 100
11) Trichlorofluoromethane	3.92	101	1801932	9.786	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1276567	10.026	ppbv 100
13) Ethanol	3.58	45	148152	7.024	ppbv 99
14) Bromoethene	3.71	108	547510	9.976	ppbv 96
15) Acetone	3.82	43	1363504	8.835	ppbv 99
16) 1,3-Butadiene	3.29	39	664961	9.824	ppbv 100
17) tert-Butyl alcohol	4.27	59	1477291	10.801	ppbv 99
18) 1,1-Dichloroethene	4.27	96	593868	10.341	ppbv 97
19) Isopropyl Alcohol	3.94	45	1011211	10.091	ppbv 100
20) Methylene Chloride	4.32	84	520864	8.339	ppbv 97
21) Allyl Chloride	4.39	41	968684	10.562	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	583691	10.864	ppbv 96
23) Vinyl Acetate	5.06	43	1953604	10.429	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1499293	9.493	ppbv 100
25) Ethyl Acetate	5.67	43	2603298	9.347	ppbv 99
26) Hexane	5.68	57	1162600	9.259	ppbv 99
27) Carbon Disulfide	4.53	76	1604692	12.349	ppbv 97
28) Methyl tert-Butyl Ether	5.02	73	1772021	10.044	ppbv 100
29) Chloroform	5.75	83	1847558	9.402	ppbv 99
30) Cyclohexane	7.14	84	968568	10.747	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1172493	10.129	ppbv 94
32) 1,1,1-Trichloroethane	6.52	97	1801977	9.887	ppbv 100
34) 2-Butanone	5.23	43	1650242	9.626	ppbv 100
35) Carbon Tetrachloride	7.03	117	1854429	10.357	ppbv 98
36) Benzene	6.90	78	2271707	9.827	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1420484	9.723	ppbv 100
38) Trichloroethene	7.85	130	903156	10.059	ppbv 98
39) 1,2-Dichloropropane	7.63	63	906547	10.027	ppbv 100
40) 1,4-Dioxane	7.84	88	348320m	9.767	ppbv
41) Tetrahydrofuran	6.04	42	925571	10.570	ppbv 98
42) Bromodichloromethane	7.81	83	1963463	10.377	ppbv 98
43) Methyl Methacrylate	8.03	69	1044216	10.672	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3957533	9.809	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1205985	12.664	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1410760	11.925	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	986397	9.996	ppbv	98
48) Dibromochloromethane	10.34	129	1652763	11.235	ppbv	100
49) Bromoform	13.09	173	1445432	11.566	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2505542	10.286	ppbv	100
51) 2-Hexanone	10.16	43	2039331	10.691	ppbv #	100
52) Tetrachloroethene	11.26	164	824001	10.116	ppbv	96
53) Toluene	9.83	91	2682093	10.877	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1479334	10.125	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	1235931	9.904	ppbv #	59
57) Chlorobenzene	12.19	112	2044679	9.113	ppbv	99
58) Ethyl Benzene	12.75	91	3614759	10.551	ppbv	98
59) m/p-Xylene	13.03	91	5962378m	19.637	ppbv	
60) o-Xylene	13.73	91	2972953	9.835	ppbv	99
61) Styrene	13.57	104	2097448	11.027	ppbv	99
62) Isopropylbenzene	14.71	105	4368006	9.683	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2091139	8.541	ppbv	100
64) n-propylbenzene	15.61	120	1150437	9.994	ppbv	97
65) tert-Butylbenzene	16.79	119	3754476	9.720	ppbv	100
66) Benzyl Chloride	17.04	91	1563611	13.104	ppbv	99
67) sec-Butylbenzene	17.35	105	5334619	9.636	ppbv	100
69) p-Isopropyltoluene	17.70	119	4365425	9.886	ppbv	99
70) n-Butylbenzene	18.60	91	4573405	9.615	ppbv	99
71) 2-Chlorotoluene	15.50	91	3369349	9.882	ppbv	100
72) 4-Ethyltoluene	15.89	105	3463397	10.299	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	3233852	10.173	ppbv	96
74) 1,2,4-Trimethylbenzene	16.81	105	3289501	9.272	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1918062	9.059	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1874757	9.257	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1778330	9.179	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1445714	8.302	ppbv	99
79) Naphthalene	22.27	128	3238178	10.411	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1499625	12.610	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1713825	9.552	ppbv	99

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

