

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032455.D
 Acq On : 5 Sep 2018 13:22
 Operator : SY/AP
 Sample : VL0905ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:45:49 AM

Quant Time: Sep 06 05:09:58 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1526724	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3329452	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3401207m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2472482	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	1428452	7.31	ppbv	100
3) Chlorodifluoromethane	3.04	51	1402426	10.15	ppbv	100
4) Chloromethane	3.20	50	831273	9.93	ppbv	99
5) Vinyl Chloride	3.32	62	778965	9.43	ppbv	96
6) Bromomethane	3.54	94	440076	10.15	ppbv	97
7) Chloroethane	3.63	64	281930	9.86	ppbv	96
8) Dichlorotetrafluoroethane	3.25	85	1647970	9.51	ppbv	98
9) Propene	3.06	41	689010	12.36	ppbv	100
10) Heptane	8.30	43	2340656	11.70	ppbv	98
11) Trichlorofluoromethane	4.04	101	1662723	9.44	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1116351	9.36	ppbv	98
13) Ethanol	3.68	45	160332	9.23	ppbv	97
14) Bromoethene	3.82	108	537159	10.63	ppbv	100
15) Acetone	3.93	43	1334830	9.71	ppbv	98
16) 1,3-Butadiene	3.39	39	659402	10.19	ppbv	94
17) tert-Butyl alcohol	4.39	59	208555	9.86	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	541251	9.93	ppbv	99
19) Isopropyl Alcohol	4.05	45	1080619	11.98	ppbv #	96
20) Methylene Chloride	4.44	84	468484	8.94	ppbv	97
21) Allyl Chloride	4.51	41	990799	10.85	ppbv	96
22) trans-1,2-Dichloroethene	5.01	96	577077	9.75	ppbv	98
23) Vinyl Acetate	5.19	43	2977417	13.07	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1776060	9.46	ppbv	99
25) Ethyl Acetate	5.81	43	3367385	10.37	ppbv	99
26) Hexane	5.82	57	1499511	10.31	ppbv	96
27) Carbon Disulfide	4.66	76	1527864	11.39	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	2198837	12.32	ppbv	99
29) Chloroform	5.89	83	2163580	9.76	ppbv	98
30) Cyclohexane	7.30	84	1278030	12.01	ppbv	100
31) cis-1,2-Dichloroethene	5.68	61	1575221	11.97	ppbv	100
32) 1,1,1-Trichloroethane	6.66	97	2068058	10.01	ppbv	98
34) 2-Butanone	5.37	43	2399764	10.85	ppbv	99
35) Carbon Tetrachloride	7.18	117	2072940	9.26	ppbv	98
36) Benzene	7.05	78	3058120	10.79	ppbv	100
37) 1,2-Dichloroethane	6.46	62	1696347	9.77	ppbv	100
38) Trichloroethene	8.01	130	1127740	10.48	ppbv	98
39) 1,2-Dichloropropane	7.78	63	1360685	11.22	ppbv	99
40) 1,4-Dioxane	8.00	88	443861	12.20	ppbv #	1
41) Tetrahydrofuran	6.19	42	1433276	11.90	ppbv	100
42) Bromodichloromethane	7.96	83	2566221	10.72	ppbv	99
43) Methyl Methacrylate	8.19	69	1416120	11.78	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5831342	10.65	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	1733718	13.48	ppbv	100
46) cis-1,3-Dichloropropene	8.89	75	2083306	12.68	ppbv	99
47) 1,1,2-Trichloroethane	9.67	97	1195026	9.27	ppbv	99
48) Dibromochloromethane	10.50	129	2065702	11.57	ppbv	100
49) Bromoform	13.26	173	1554282	10.02	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	3592623	10.78	ppbv	99
51) 2-Hexanone	10.32	43	2935268	13.68	ppbv #	99
52) Tetrachloroethene	11.42	164	911267	10.37	ppbv	97
53) Toluene	10.00	91	3405855	11.50	ppbv	100
54) 1,2-Dibromoethane	10.81	107	1772193	10.24	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.33	131	1349325	8.80	ppbv #	60
57) Chlorobenzene	12.36	112	2460140	9.05	ppbv	98
58) Ethyl Benzene	12.92	91	4595108	11.29	ppbv	98
59) m/p-Xylene	13.21	91	7328104m	20.19	ppbv	
60) o-Xylene	13.90	91	3502480	9.83	ppbv	100
61) Styrene	13.74	104	2751392	11.92	ppbv	99
62) Isopropylbenzene	14.88	105	5176256	10.33	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.89	83	2594649	8.14	ppbv	99
64) n-propylbenzene	15.77	120	1349638	10.30	ppbv	97
65) tert-Butylbenzene	16.96	119	4292252	9.94	ppbv	99
66) Benzyl Chloride	17.21	91	2787019	11.59	ppbv	99
67) sec-Butylbenzene	17.51	105	6467464	9.96	ppbv	99
69) p-Isopropyltoluene	17.87	119	5195766	10.32	ppbv	99
70) n-Butylbenzene	18.76	91	5712720	10.01	ppbv	100
71) 2-Chlorotoluene	15.67	91	4124464	10.77	ppbv	99
72) 4-Ethyltoluene	16.05	105	4313262	11.08	ppbv	100
73) 1,3,5-Trimethylbenzene	16.21	105	4074614	10.45	ppbv	97
74) 1,2,4-Trimethylbenzene	16.98	105	4068914	9.55	ppbv	96
75) 1,3-Dichlorobenzene	17.22	146	2257906	8.93	ppbv	100
76) 1,4-Dichlorobenzene	17.36	146	2308435	9.84	ppbv	99
77) 1,2-Dichlorobenzene	18.04	146	2278363	9.34	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	753592	8.27	ppbv	99
79) Naphthalene	22.47	128	3965533	11.44	ppbv	99
80) Naphthalene, 2-methyl-	25.15	142	1687825	18.30	ppbv	99
81) 1,2,4-Trichlorobenzene	22.19	180	1864263	10.68	ppbv	99

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

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