

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037487.D
 Acq On : 18 Aug 2021 11:44
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:46 PM

Quant Time: Aug 19 02:02:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 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	1427044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4291633	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3769884m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2797757	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2109468	9.213	ppbv	98
3) Chlorodifluoromethane	2.98	51	2524993	9.240	ppbv	100
4) Chloromethane	3.13	50	940360	9.630	ppbv	96
5) Vinyl Chloride	3.25	62	951428	9.510	ppbv	97
6) Bromomethane	3.47	94	444140	8.105	ppbv	99
7) Chloroethane	3.55	64	320784	9.395	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	2221807	9.399	ppbv	99
9) Propene	3.00	41	883073	9.032	ppbv	98
10) Heptane	8.11	43	2256962	10.029	ppbv	99
11) Trichlorofluoromethane	3.94	101	2002358	9.316	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1510714	9.579	ppbv	99
13) Ethanol	3.61	45	82053m	8.624	ppbv	
14) Bromoethene	3.73	108	675281	9.431	ppbv	98
15) Acetone	3.84	43	1147343	7.900	ppbv	98
16) 1,3-Butadiene	3.32	39	922398	9.901	ppbv	99
17) tert-Butyl alcohol	4.28	59	1268368	9.560	ppbv	98
18) 1,1-Dichloroethene	4.28	96	682059	9.520	ppbv	98
19) Isopropyl Alcohol	3.95	45	757475	9.104	ppbv #	98
20) Methylene Chloride	4.33	84	585757	8.056	ppbv	94
21) Allyl Chloride	4.40	41	1066716	9.043	ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	720164	10.076	ppbv	98
23) Vinyl Acetate	5.06	43	1677572	7.837	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1381788	8.900	ppbv	99
25) Ethyl Acetate	5.67	43	3478278	9.434	ppbv	99
26) Hexane	5.67	57	1670284	9.266	ppbv	99
27) Carbon Disulfide	4.54	76	1704220	10.608	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1474330	8.516	ppbv	100
29) Chloroform	5.74	83	2450602	9.593	ppbv	96
30) Cyclohexane	7.11	84	1423112	9.475	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1590354	9.748	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2408316	9.595	ppbv	100
34) 2-Butanone	5.23	43	1487642	8.489	ppbv	95
35) Carbon Tetrachloride	7.01	117	2490347	9.819	ppbv	99
36) Benzene	6.88	78	3527349	9.777	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1782939	9.977	ppbv	99
38) Trichloroethene	7.82	130	1385830	9.362	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1325172	9.559	ppbv	98
40) 1,4-Dioxane	7.82	88	310089	9.130	ppbv #	100
41) Tetrahydrofuran	6.04	42	805114	9.537	ppbv	99
42) Bromodichloromethane	7.78	83	2620848	10.030	ppbv	98
43) Methyl Methacrylate	8.00	69	1276335	10.150	ppbv	100

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037487.D
 Acq On : 18 Aug 2021 11:44
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0818ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:46 PM

Quant Time: Aug 19 02:02:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5816125	9.579	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	869977	9.191	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1182512	8.955	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1428680	9.538	ppbv	98
48) Dibromochloromethane	10.29	129	2284193	10.596	ppbv	100
49) Bromoform	13.02	173	1857225	10.930	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2295311	10.039	ppbv	99
51) 2-Hexanone	10.12	43	1118186	10.633	ppbv #	99
52) Tetrachloroethene	11.20	164	1319630	8.926	ppbv	98
53) Toluene	9.79	91	4114862	9.989	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1990703	9.520	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1549246	9.862	ppbv	97
57) Chlorobenzene	12.13	112	2919629	9.332	ppbv	98
58) Ethyl Benzene	12.69	91	5188221	9.917	ppbv	99
59) m/p-Xylene	12.98	91	8824988m	19.458	ppbv	
60) o-Xylene	13.67	91	4055782	9.581	ppbv	99
61) Styrene	13.51	104	2310433	10.507	ppbv	99
62) Isopropylbenzene	14.65	105	5721085	9.576	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	3064276	9.740	ppbv	98
64) n-propylbenzene	15.54	120	1534471	10.093	ppbv	98
65) tert-Butylbenzene	16.72	119	5227580	9.608	ppbv	100
66) Benzyl Chloride	16.97	91	298985	12.148	ppbv	100
67) sec-Butylbenzene	17.28	105	7298068	9.600	ppbv	99
69) p-Isopropyltoluene	17.63	119	6147972	9.924	ppbv	100
70) n-Butylbenzene	18.53	91	6042016	10.205	ppbv	99
71) 2-Chlorotoluene	15.43	91	4339380	9.905	ppbv	100
72) 4-Ethyltoluene	15.82	105	5142830	10.214	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4641274	9.903	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4763902	9.565	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	2887443	9.632	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2850848	9.440	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2797403	9.476	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2141337	8.725	ppbv	99
79) Naphthalene	22.17	128	3540239	10.622	ppbv	97
80) Naphthalene, 2-methyl-	24.95	142	894022	9.629	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2179870	10.423	ppbv	98

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

