

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061422\
 Data File : VU049104.D
 Acq On : 14 Jun 2022 10:15
 Operator : SY/MD
 Sample : VSTD0.532
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5032

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 15 02:48:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 15 02:48:05 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	142731	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	130180	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	61079	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	5892	0.787	ug/L	0.00
7) Chloroethane-d5	1.916	69	3902	0.541	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	65	2538	0.709	ug/L	0.00
20) 2-Butanone-d5	4.649	46	13029	4.152	ug/L	0.01
24) Chloroform-d	5.067	84	8551	0.422	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.710	65	4764	0.428	ug/L	0.00
32) Benzene-d6	5.729	84	17917	0.502	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	5963	0.487	ug/L	0.00
41) Toluene-d8	7.899	98	15674	0.515	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.186	79	2668	0.606	ug/L	0.00
46) 2-Hexanone-d5	8.642	63	9080	4.107	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.761	84	4670	0.446	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	5305	0.464	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	5837	0.388	ug/L	96
3) Chloromethane	1.523	50	6093	0.441	ug/L	91
5) Vinyl chloride	1.604	62	5156	0.407	ug/L	86
6) Bromomethane	1.858	94	3112	0.430	ug/L	93
8) Chloroethane	1.935	64	3774	0.549	ug/L	89
9) Trichlorofluoromethane	2.141	101	6250	0.383	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	3778	0.430	ug/L	97
12) 1,1-Dichloroethene	2.578	96	3837	0.442	ug/L	80
13) Acetone	2.649	43	7518	4.705	ug/L	79
14) Carbon disulfide	2.794	76	12078	0.407	ug/L	99
15) Methyl Acetate	2.964	43	1825	0.425	ug/L #	72
17) Methyl tert-butyl Ether	3.366	73	10157	0.421	ug/L #	94
18) trans-1,2-Dichloroethene	3.359	96	4456	0.470	ug/L	75
19) 1,1-Dichloroethane	3.871	63	7679	0.417	ug/L	92
21) 2-Butanone	4.732	43	13295m	4.588	ug/L	
22) cis-1,2-Dichloroethene	4.668	96	4378	0.388	ug/L	82
23) Bromochloromethane	4.973	128	1719	0.355	ug/L	93
27) 1,2-Dichloroethane	5.800	62	5166	0.402	ug/L #	92
29) 1,1,1-Trichloroethane	5.321	97	7165	0.434	ug/L	99
30) Cyclohexane	5.391	56	8737	0.581	ug/L	94
31) Carbon tetrachloride	5.527	117	5802	0.400	ug/L	97
33) Benzene	5.777	78	17573	0.445	ug/L	100
34) Trichloroethene	6.546	95	4249	0.418	ug/L	94
35) Methylcyclohexane	6.768	83	7332	0.476	ug/L	93
37) 1,2-Dichloropropane	6.793	63	4775	0.459	ug/L #	89
38) Bromodichloromethane	7.108	83	5617	0.409	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	6745	0.463	ug/L	90
40) 4-Methyl-2-pentanone	7.797	43	32742	4.793	ug/L	97
42) Toluene	7.973	91	18027	0.451	ug/L	94
44) trans-1,3-Dichloropropene	8.215	75	6184	0.478	ug/L #	79
45) 1,1,2-Trichloroethane	8.398	97	3509	0.478	ug/L	89
47) Tetrachloroethene	8.555	164	2918	0.371	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

48) 2-Hexanone	8.694	43	22933	4.567	ug/L	97
49) Dibromochloromethane	8.813	129	3565	0.388	ug/L	100
50) 1,2-Dibromoethane	8.925	107	2790	0.387	ug/L #	99
51) Chlorobenzene	9.449	112	11093	0.427	ug/L	94
52) Ethylbenzene	9.571	91	20118	0.483	ug/L	99
53) m,p-Xylene	9.697	106	7296	0.439	ug/L	99
54) o-Xylene	10.102	106	7356	0.456	ug/L	96
55) Styrene	10.118	104	12171	0.453	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.784	83	4225	0.442	ug/L	97
59) Bromoform	10.292	173	1912	0.382	ug/L #	94
60) Isopropylbenzene	10.485	105	19307	0.503	ug/L	97
61) 1,2,3-Trichloropropane	10.825	75	3322	0.499	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	17300	0.532	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	16442	0.507	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	8401	0.453	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	8066	0.444	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	7710	0.431	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	945	0.576	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.224	180	5775	0.414	ug/L	98
70) 1,2,4-trichlorobenzene	13.845	180	3908	0.353	ug/L	96
71) Naphthalene	14.095	128	7537	0.338	ug/L	96
72) 1,2,3-Trichlorobenzene	14.333	180	3673	0.350	ug/L	96

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

