

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122022\
 Data File : VU052460.D
 Acq On : 20 Dec 2022 15:54
 Operator : JC/MD
 Sample : VSTD0.574
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5074

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2022
 Supervised By : Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 03:24:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:23:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	145001	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	143243	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	64107	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	7157	0.487	ug/L	0.00
7) Chloroethane-d5	1.912	69	6490	0.512	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	65	3242	0.513	ug/L	0.00
20) 2-Butanone-d5	4.661	46	20938m	4.607	ug/L	0.00
24) Chloroform-d	5.060	84	12350	0.498	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	7758	0.540	ug/L	0.00
32) Benzene-d6	5.729	84	23444	0.477	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	8391	0.496	ug/L	0.00
41) Toluene-d8	7.896	98	17067	0.414	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	2483	0.429	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	11337	3.580	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	6836	0.476	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	6487	0.497	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	6145	0.476	ug/L	95
3) Chloromethane	1.520	50	10037	0.539	ug/L	98
5) Vinyl chloride	1.604	62	7918	0.469	ug/L #	1
6) Bromomethane	1.858	94	4833	0.502	ug/L	96
8) Chloroethane	1.938	64	7197	0.622	ug/L #	74
9) Trichlorofluoromethane	2.137	101	9402	0.493	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	5644	0.497	ug/L	90
12) 1,1-Dichloroethene	2.581	96	5293	0.487	ug/L	86
13) Acetone	2.694	43	21472m	6.353	ug/L	
14) Carbon disulfide	2.793	76	16425	0.469	ug/L	97
15) Methyl Acetate	2.970	43	3123	0.426	ug/L #	76
16) Methylene chloride	3.047	84	9509	0.620	ug/L	96
17) Methyl tert-butyl Ether	3.366	73	13428	0.463	ug/L	96
18) trans-1,2-Dichloroethene	3.356	96	5305	0.474	ug/L	94
19) 1,1-Dichloroethane	3.870	63	11616	0.477	ug/L	98
21) 2-Butanone	4.742	43	22882m	4.679	ug/L	
22) cis-1,2-Dichloroethene	4.668	96	5437	0.443	ug/L	99
23) Bromochloromethane	4.970	128	2558	0.449	ug/L #	87
25) Chloroform	5.086	83	11785	0.500	ug/L	97
27) 1,2-Dichloroethane	5.793	62	7661	0.470	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	8213	0.456	ug/L	96
30) Cyclohexane	5.388	56	7914	0.406	ug/L	95
31) Carbon tetrachloride	5.523	117	7582	0.479	ug/L	98
33) Benzene	5.774	78	23236	0.450	ug/L	100
34) Trichloroethene	6.542	95	5735	0.475	ug/L	91
35) Methylcyclohexane	6.761	83	6945	0.382	ug/L	95
37) 1,2-Dichloropropane	6.790	63	6456	0.448	ug/L #	92
38) Bromodichloromethane	7.102	83	8492	0.485	ug/L #	94
39) cis-1,3-Dichloropropene	7.607	75	7982	0.438	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	41871	3.980	ug/L	95
42) Toluene	7.967	91	19862	0.401	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	6541	0.407	ug/L	95

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45) 1,1,2-Trichloroethane	8.401	97	4835	0.474	ug/L	93
47) Tetrachloroethene	8.552	164	3872	0.460	ug/L	93
48) 2-Hexanone	8.687	43	32467m	4.135	ug/L	
49) Dibromochloromethane	8.806	129	4617	0.428	ug/L	98
50) 1,2-Dibromoethane	8.922	107	4154	0.448	ug/L #	99
51) Chlorobenzene	9.443	112	14284	0.452	ug/L	95
52) Ethylbenzene	9.568	91	20022	0.391	ug/L	96
53) m,p-Xylene	9.690	106	6888	0.365	ug/L	92
54) o-Xylene	10.098	106	6486	0.358	ug/L	96
55) Styrene	10.111	104	9848	0.313	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.780	83	6560	0.465	ug/L	97
59) Bromoform	10.288	173	2999	0.532	ug/L #	94
60) Isopropylbenzene	10.481	105	15735	0.379	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	4691	0.510	ug/L	95
62) 1,3,5-Trimethylbenzene	11.086	105	12812	0.374	ug/L	94
63) 1,2,4-Trimethylbenzene	11.465	105	12647	0.367	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	9014	0.437	ug/L	87
65) 1,4-Dichlorobenzene	11.835	146	10279	0.482	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	9504	0.467	ug/L	89
68) 1,2-Dibromo-3-chloropr...	12.992	75	1171	0.563	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.217	180	6903	0.455	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	5667	0.444	ug/L	95
72) 1,2,3-Trichlorobenzene	14.327	180	6022	0.470	ug/L	96

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

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