

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102723\
 Data File : VU055934.D
 Acq On : 27 Oct 2023 19:32
 Operator : MD/SY
 Sample : 05009-09MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A49A1MSD

Quant Time: Oct 27 23:57:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 05:19:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	416354	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	406237	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	208828	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	96810	2.939	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.800%
7) Chloroethane-d5	1.914	69	89022	3.468	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.400%
11) 1,1-Dichloroethene-d2	2.567	65	45334	3.242	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.800%
20) 2-Butanone-d5	4.624	46	259992	44.249	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.500%
24) Chloroform-d	5.058	84	247585	4.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
26) 1,2-Dichloroethane-d4	5.698	65	112522	3.784	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
32) Benzene-d6	5.724	84	476273	3.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.685	67	146424	4.082	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.600%
41) Toluene-d8	7.894	98	425364	3.875	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	8.177	79	50411	3.593	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.800%
46) 2-Hexanone-d5	8.627	63	227119	63.770	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.540%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	112438	4.304	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	163951	4.208	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	188969	7.964	ug/L	97
3) Chloromethane	1.518	50	175043	7.726	ug/L	97
5) Vinyl chloride	1.602	62	175595	7.037	ug/L	99
6) Bromomethane	1.856	94	98271	6.357	ug/L	99
8) Chloroethane	1.933	64	102643	7.019	ug/L	98
9) Trichlorofluoromethane	2.139	101	236195	6.862	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	143836	6.362	ug/L	97
12) 1,1-Dichloroethene	2.579	96	134760	6.678	ug/L #	72
13) Acetone	2.631	43	155735	46.512	ug/L	97
14) Carbon disulfide	2.792	76	448773	8.686	ug/L	98
15) Methyl Acetate	2.952	43	28413	4.165	ug/L	98
16) Methylene chloride	3.042	84	145245	6.353	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	312483	6.381	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	146833	7.339	ug/L	96
19) 1,1-Dichloroethane	3.866	63	268132	6.600	ug/L	97
21) 2-Butanone	4.702	43	262021	53.234	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	160202	6.613	ug/L	95
23) Bromochloromethane	4.972	128	66151	6.703	ug/L	95
25) Chloroform	5.084	83	274505	6.302	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	159597	6.236	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	240775	6.503	ug/L	99
30) Cyclohexane	5.386	56	232102	7.430	ug/L	99
31) Carbon tetrachloride	5.521	117	211197	6.687	ug/L	99
33) Benzene	5.772	78	607743	6.779	ug/L	100
34) Trichloroethene	6.537	95	164983	6.579	ug/L	99
35) Methylcyclohexane	6.759	83	245317	7.248	ug/L	99
37) 1,2-Dichloropropane	6.788	63	150451	6.320	ug/L	99
38) Bromodichloromethane	7.100	83	190345	6.370	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	207268	6.112	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	688279	59.983	ug/L	98
42) Toluene	7.965	91	654475	6.985	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	166684	6.089	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	103554	6.187	ug/L	98
47) Tetrachloroethene	8.550	164	123335	7.023	ug/L	98
48) 2-Hexanone	8.679	43	503002	55.752	ug/L	98
49) Dibromochloromethane	8.804	129	122285	6.656	ug/L	98
50) 1,2-Dibromoethane	8.920	107	100911	6.645	ug/L	97
51) Chlorobenzene	9.444	112	404003	6.580	ug/L	100
52) Ethylbenzene	9.566	91	711311	6.697	ug/L	99
53) m,p-Xylene	9.692	106	276706	6.972	ug/L	94
54) o-Xylene	10.097	106	260462	6.706	ug/L	99
55) Styrene	10.110	104	426794	6.855	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	123168	6.357	ug/L	96
59) Bromoform	10.287	173	68903	6.486	ug/L	99
60) Isopropylbenzene	10.479	105	718843	6.908	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	88712	6.188	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	586536	6.897	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	586362	7.422	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	333515	6.761	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	325807	6.618	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	300430	6.633	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	20152	7.877	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	248537	7.373	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	202970	8.146	ug/L	98
71) Naphthalene	14.084	128	313541	8.690	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	174879	8.141	ug/L	98

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

