

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032625\
 Data File : VX045463.D
 Acq On : 26 Mar 2025 12:33
 Operator : JC/MD
 Sample : Q1629-16MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW09-MW01S-20250320MSD

Quant Time: Mar 27 01:36:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2025
 Supervised By : Mahesh Dadoda 03/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	81226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54130	41.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.800%		
35) Dibromofluoromethane	5.379	113	38393	40.071	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	80.140%		
50) Toluene-d8	8.647	98	132471	38.137	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	76.280%#		
62) 4-Bromofluorobenzene	11.079	95	48948	42.526	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	85.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	62827	61.448	ug/l	95
3) Chloromethane	1.307	50	60998	48.750	ug/l	97
4) Vinyl Chloride	1.374	62	59665	48.068	ug/l	98
5) Bromomethane	1.593	94	27026	55.386	ug/l	99
6) Chloroethane	1.666	64	32429	56.641	ug/l	96
7) Trichlorofluoromethane	1.874	101	87276	53.113	ug/l	98
8) Diethyl Ether	2.130	74	30049	46.753	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	55084	58.349	ug/l	98
10) Methyl Iodide	2.441	142	67143	56.912	ug/l	94
11) Tert butyl alcohol	2.977	59	54896	224.313	ug/l	96
12) 1,1-Dichloroethene	2.306	96	52797	52.898	ug/l	94
13) Acrolein	2.233	56	74311	262.676	ug/l	98
14) Allyl chloride	2.654	41	100846	56.762	ug/l	94
15) Acrylonitrile	3.062	53	170809	260.418	ug/l	98
16) Acetone	2.386	43	156176	260.529	ug/l	98
17) Carbon Disulfide	2.502	76	132938	50.007	ug/l	99
18) Methyl Acetate	2.703	43	71374	49.493	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	179806	53.696	ug/l	97
20) Methylene Chloride	2.782	84	60050	50.570	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	52377	53.118	ug/l	97
22) Diisopropyl ether	3.764	45	191865	53.100	ug/l	95
23) Vinyl Acetate	3.721	43	878011	291.184	ug/l	100
24) 1,1-Dichloroethane	3.605	63	106777	52.729	ug/l	99
25) 2-Butanone	4.556	43	247432	274.214	ug/l	98
26) 2,2-Dichloropropane	4.471	77	78783	82.944	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	64385	52.894	ug/l	92
28) Bromochloromethane	4.891	49	46754	48.439	ug/l	99
29) Tetrahydrofuran	5.001	42	157525	259.959	ug/l	99
30) Chloroform	5.086	83	110878	55.106	ug/l	98
31) Cyclohexane	5.464	56	96443	54.865	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	93611	57.604	ug/l	98
36) 1,1-Dichloropropene	5.684	75	74229	56.492	ug/l	99
37) Ethyl Acetate	4.715	43	93308	55.110	ug/l	99
38) Carbon Tetrachloride	5.672	117	78280	58.681	ug/l	99
39) Methylcyclohexane	7.373	83	94425	59.974	ug/l	96
40) Benzene	6.031	78	221537	53.392	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	52151	56.964	ug/l	97
42) 1,2-Dichloroethane	6.080	62	90728	60.723	ug/l	97
43) Isopropyl Acetate	6.342	43	145230	58.007	ug/l	98
44) Trichloroethene	7.123	130	52602	53.991	ug/l	99
45) 1,2-Dichloropropane	7.427	63	57716	54.102	ug/l	98
46) Dibromomethane	7.580	93	42651	56.564	ug/l	97
47) Bromodichloromethane	7.818	83	85122	57.553	ug/l	97
48) Methyl methacrylate	7.690	41	75898	60.425	ug/l	93
49) 1,4-Dioxane	7.659	88	26355	994.704	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	489781	291.351	ug/l	99
52) Toluene	8.714	92	135507	55.663	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	76527	61.892	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	85476	59.283	ug/l #	88
55) 1,1,2-Trichloroethane	9.147	97	54644	54.524	ug/l	96
56) Ethyl methacrylate	9.116	69	90492	59.401	ug/l	92
57) 1,3-Dichloropropane	9.305	76	95623	55.134	ug/l	100
59) 2-Hexanone	9.427	43	363249	298.233	ug/l	98
60) Dibromochloromethane	9.519	129	61294	58.493	ug/l	100
61) 1,2-Dibromoethane	9.610	107	56774	56.746	ug/l	97
64) Tetrachloroethene	9.269	164	43684	53.511	ug/l	99
65) Chlorobenzene	10.079	112	146418	54.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	49813	55.459	ug/l	97
67) Ethyl Benzene	10.189	91	265098	56.409	ug/l	100
68) m/p-Xylenes	10.299	106	195632	113.714	ug/l	96
69) o-Xylene	10.640	106	94658	54.554	ug/l	94
70) Styrene	10.653	104	160517	57.174	ug/l	97
71) Bromoform	10.799	173	38315	56.569	ug/l #	98
73) Isopropylbenzene	10.957	105	251806	56.703	ug/l	100
74) N-amyl acetate	10.842	43	122662	58.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	86905	53.329	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	73925m	55.826	ug/l	
77) Bromobenzene	11.195	156	55610	53.075	ug/l	94
78) n-propylbenzene	11.299	91	297497	59.305	ug/l	98
79) 2-Chlorotoluene	11.360	91	178326	55.818	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	207078	57.671	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	22458	58.039	ug/l	87
82) 4-Chlorotoluene	11.451	91	201866	57.976	ug/l	98
83) tert-Butylbenzene	11.713	119	206216	55.895	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	207721	57.494	ug/l	97
85) sec-Butylbenzene	11.890	105	254806	57.657	ug/l	99
86) p-Isopropyltoluene	12.006	119	210975	59.073	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	100092	53.550	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	101089	53.457	ug/l	98
89) n-Butylbenzene	12.329	91	185757	60.389	ug/l	99
90) Hexachloroethane	12.536	117	36360	56.286	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	99842	53.249	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19261	60.670	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	57572	53.924	ug/l	99
94) Hexachlorobutadiene	13.725	225	24099	55.056	ug/l	99
95) Naphthalene	13.774	128	215982	52.653	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	59286	52.637	ug/l	99

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

