

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044379.D
 Acq On : 18 Dec 2024 13:38
 Operator : JC/MD
 Sample : VX1218WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 00:44:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	147797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	256001	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	101474	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	121233	46.783	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.560%
35) Dibromofluoromethane	5.379	113	88067	49.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.340%
50) Toluene-d8	8.647	98	302636	50.593	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.180%
62) 4-Bromofluorobenzene	11.079	95	105722	50.581	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.160%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	45251	19.801	ug/l	97
3) Chloromethane	1.294	50	41759	19.108	ug/l	100
4) Vinyl Chloride	1.374	62	42787	18.793	ug/l	98
5) Bromomethane	1.593	94	27623	17.102	ug/l	98
6) Chloroethane	1.666	64	30662	21.628	ug/l	96
7) Trichlorofluoromethane	1.874	101	70228	15.756	ug/l	96
8) Diethyl Ether	2.130	74	26108	17.160	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	34599	19.183	ug/l	97
10) Methyl Iodide	2.441	142	44464	18.705	ug/l	97
11) Tert butyl alcohol	2.977	59	39802	108.982	ug/l #	93
12) 1,1-Dichloroethene	2.306	96	32443	19.584	ug/l	98
13) Acrolein	2.233	56	46746	88.423	ug/l	98
14) Allyl chloride	2.654	41	51394	18.626	ug/l	97
15) Acrylonitrile	3.062	53	97173	96.053	ug/l	99
16) Acetone	2.386	43	84104	79.609	ug/l	96
17) Carbon Disulfide	2.502	76	59114	18.772	ug/l	99
18) Methyl Acetate	2.703	43	50892	18.683	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	122090	18.886	ug/l	100
20) Methylene Chloride	2.782	84	37302	18.799	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	32522	18.472	ug/l	98
22) Diisopropyl ether	3.757	45	116460	18.743	ug/l #	86
23) Vinyl Acetate	3.721	43	506590	100.283	ug/l	98
24) 1,1-Dichloroethane	3.605	63	64917	18.743	ug/l	98
25) 2-Butanone	4.562	43	136514	90.894	ug/l	97
26) 2,2-Dichloropropane	4.465	77	53495	19.012	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	40632	18.171	ug/l	98
28) Bromochloromethane	4.897	49	29472	17.353	ug/l	98
29) Tetrahydrofuran	5.007	42	89366	92.701	ug/l	98
30) Chloroform	5.093	83	70829	18.201	ug/l	98
31) Cyclohexane	5.458	56	53278	19.049	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	58144	18.000	ug/l	98
36) 1,1-Dichloropropene	5.684	75	42509	18.548	ug/l	99
37) Ethyl Acetate	4.715	43	59443	20.982	ug/l	98
38) Carbon Tetrachloride	5.666	117	46061	18.667	ug/l	97
39) Methylcyclohexane	7.373	83	58860	21.483	ug/l	99
40) Benzene	6.031	78	140673	20.216	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	29251	19.444	ug/l	97
42) 1,2-Dichloroethane	6.080	62	56652	19.764	ug/l	100
43) Isopropyl Acetate	6.342	43	88627	20.015	ug/l	99
44) Trichloroethene	7.123	130	33708	19.425	ug/l	95
45) 1,2-Dichloropropane	7.427	63	34278	19.281	ug/l	99
46) Dibromomethane	7.580	93	28343	20.550	ug/l	98
47) Bromodichloromethane	7.818	83	46701	19.606	ug/l	97
48) Methyl methacrylate	7.696	41	42973	19.992	ug/l	98
49) 1,4-Dioxane	7.665	88	9037m	253.579	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	278065	97.665	ug/l	99
52) Toluene	8.714	92	86445	19.782	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	47425	19.754	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	52882	20.390	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	35003	20.163	ug/l	98
56) Ethyl methacrylate	9.116	69	55135	20.118	ug/l	98
57) 1,3-Dichloropropane	9.305	76	62014	20.523	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	122427	88.570	ug/l	98
59) 2-Hexanone	9.427	43	203147	98.576	ug/l	100
60) Dibromochloromethane	9.519	129	32432	18.934	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36303	20.544	ug/l	97
64) Tetrachloroethene	9.269	164	28683	19.232	ug/l	98
65) Chlorobenzene	10.079	112	94134	19.550	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	30368	19.624	ug/l	99
67) Ethyl Benzene	10.189	91	159963	19.228	ug/l	99
68) m/p-Xylenes	10.299	106	120723	39.546	ug/l	97
69) o-Xylene	10.640	106	59698	19.328	ug/l	98
70) Styrene	10.653	104	97751	19.741	ug/l	96
71) Bromoform	10.799	173	18261	18.882	ug/l #	94
73) Isopropylbenzene	10.963	105	153918	19.814	ug/l	100
74) N-amyl acetate	10.842	43	68625	19.115	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52724	19.541	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	43463m	19.183	ug/l	
77) Bromobenzene	11.195	156	36606	19.432	ug/l	100
78) n-propylbenzene	11.305	91	169075	19.692	ug/l	98
79) 2-Chlorotoluene	11.366	91	105145	18.936	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	126232	19.595	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12684	19.831	ug/l	95
82) 4-Chlorotoluene	11.451	91	119703	19.467	ug/l	99
83) tert-Butylbenzene	11.713	119	125228	19.670	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	127328	20.126	ug/l	99
85) sec-Butylbenzene	11.890	105	153481	19.858	ug/l	99
86) p-Isopropyltoluene	12.006	119	126744	19.703	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	65361	19.864	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	64574	19.090	ug/l	100
89) n-Butylbenzene	12.329	91	105264	19.460	ug/l	99
90) Hexachloroethane	12.536	117	17762	18.915	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	65345	19.126	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8581	16.383	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	36071	19.257	ug/l	99
94) Hexachlorobutadiene	13.725	225	15287	20.290	ug/l	95
95) Naphthalene	13.774	128	141260	19.320	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	40477	20.374	ug/l	95

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

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