

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042923\
 Data File : VX035419.D
 Acq On : 29 Apr 2023 13:25
 Operator : JC/MD
 Sample : VX0429WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/01/2023
 Supervised By :Mahesh Dadoda 05/01/2023

Quant Time: May 01 04:28:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	274595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	424456	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	373456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166821	50.356	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.720%			
35) Dibromofluoromethane	5.385	113	137922	52.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.880%			
50) Toluene-d8	8.647	98	505617	51.449	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.900%			
62) 4-Bromofluorobenzene	11.079	95	194959	52.735	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52499	18.069	ug/l	99
3) Chloromethane	1.294	50	42567	16.104	ug/l	94
4) Vinyl Chloride	1.374	62	44471	16.775	ug/l	98
5) Bromomethane	1.618	94	30602	17.368	ug/l	97
6) Chloroethane	1.691	64	26547	17.122	ug/l	99
7) Trichlorofluoromethane	1.892	101	76242	18.391	ug/l	99
8) Diethyl Ether	2.130	74	27258	18.033	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	51264	18.514	ug/l	95
10) Methyl Iodide	2.453	142	57797	16.539	ug/l	98
11) Tert butyl alcohol	3.014	59	52780	87.500	ug/l	95
12) 1,1-Dichloroethene	2.319	96	46429	17.409	ug/l	98
13) Acrolein	2.239	56	49539	83.511	ug/l	100
14) Allyl chloride	2.666	41	80723	17.199	ug/l	97
15) Acrylonitrile	3.069	53	133362	88.397	ug/l	100
16) Acetone	2.398	43	125579	87.279	ug/l	99
17) Carbon Disulfide	2.514	76	105882	16.561	ug/l	100
18) Methyl Acetate	2.709	43	99919	17.959	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	175031	19.130	ug/l	99
20) Methylene Chloride	2.788	84	55111	16.705	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	52413	18.095	ug/l	95
22) Diisopropyl ether	3.757	45	172150	18.535	ug/l	95
23) Vinyl Acetate	3.721	43	599533	93.911	ug/l	99
24) 1,1-Dichloroethane	3.611	63	95822	18.316	ug/l	100
25) 2-Butanone	4.562	43	181665	86.503	ug/l	92
26) 2,2-Dichloropropane	4.471	77	75997	18.542	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	61585	18.088	ug/l	94
28) Bromochloromethane	4.891	49	46285	20.761	ug/l #	81
29) Tetrahydrofuran	5.007	42	113772	84.510	ug/l	94
30) Chloroform	5.093	83	98648	18.679	ug/l	94
31) Cyclohexane	5.471	56	83386	17.744	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	86125	18.608	ug/l	97
36) 1,1-Dichloropropene	5.690	75	72871	17.914	ug/l	98
37) Ethyl Acetate	4.715	43	70047	18.853	ug/l	96
38) Carbon Tetrachloride	5.678	117	73818	19.116	ug/l	100
39) Methylcyclohexane	7.379	83	89277	18.030	ug/l	99
40) Benzene	6.038	78	215006	18.425	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	39753	18.673	ug/l	94
42) 1,2-Dichloroethane	6.086	62	78418	18.847	ug/l	98
43) Isopropyl Acetate	6.336	43	115841	18.556	ug/l	94
44) Trichloroethene	7.123	130	59388	18.474	ug/l	96
45) 1,2-Dichloropropane	7.428	63	55423	18.839	ug/l	98
46) Dibromomethane	7.580	93	37994	18.806	ug/l	93
47) Bromodichloromethane	7.818	83	72296	19.422	ug/l	98
48) Methyl methacrylate	7.690	41	57167	18.668	ug/l	92
49) 1,4-Dioxane	7.720	88	26782	358.792	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	354637	92.464	ug/l	96
52) Toluene	8.720	92	137815	18.632	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	77761	20.004	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	86115	19.599	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	57270	19.422	ug/l	96
56) Ethyl methacrylate	9.116	69	87350	19.886	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	94668	18.770	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	225260	102.559	ug/l	95
59) 2-Hexanone	9.427	43	264464	91.785	ug/l	95
60) Dibromochloromethane	9.519	129	55761	19.737	ug/l	98
61) 1,2-Dibromoethane	9.610	107	60348	19.852	ug/l	98
64) Tetrachloroethene	9.275	164	53804	18.816	ug/l	95
65) Chlorobenzene	10.079	112	149175	18.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56029	19.925	ug/l	99
67) Ethyl Benzene	10.195	91	267309	19.104	ug/l	98
68) m/p-Xylenes	10.299	106	206889	38.587	ug/l	98
69) o-Xylene	10.640	106	103136	19.617	ug/l	99
70) Styrene	10.653	104	167178	19.611	ug/l	98
71) Bromoform	10.799	173	39336	20.111	ug/l #	99
73) Isopropylbenzene	10.963	105	269899	19.863	ug/l	100
74) N-amyl acetate	10.842	43	99039	19.395	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	82295	19.513	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	75765m	20.433	ug/l	
77) Bromobenzene	11.195	156	67201	19.896	ug/l	90
78) n-propylbenzene	11.305	91	300178	19.235	ug/l	99
79) 2-Chlorotoluene	11.366	91	183722	18.840	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	228491	19.943	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	20965	18.312	ug/l	96
82) 4-Chlorotoluene	11.451	91	211369	19.298	ug/l	98
83) tert-Butylbenzene	11.713	119	222229	19.331	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	226479	19.673	ug/l	100
85) sec-Butylbenzene	11.890	105	267375	18.961	ug/l	99
86) p-Isopropyltoluene	12.006	119	231478	19.301	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	123936	19.308	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	122935	18.266	ug/l	100
89) n-Butylbenzene	12.329	91	187289	18.499	ug/l	98
90) Hexachloroethane	12.536	117	34750	18.929	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	122059	19.012	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15762	18.638	ug/l	83
93) 1,2,4-Trichlorobenzene	13.585	180	76287	18.904	ug/l	98
94) Hexachlorobutadiene	13.725	225	32285	18.229	ug/l	100
95) Naphthalene	13.774	128	253034	20.368	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	78316	19.279	ug/l	96

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

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