

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040523\
 Data File : VX034944.D
 Acq On : 05 Apr 2023 11:27
 Operator : JC/MD
 Sample : VX0405WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 02:11:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	281582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	463404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	418734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	204705	47.535	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.080%		
35) Dibromofluoromethane	5.385	113	147277	48.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.100%		
50) Toluene-d8	8.647	98	541104	47.829	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.660%		
62) 4-Bromofluorobenzene	11.079	95	213512	48.770	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	54680	19.470	ug/l	99
3) Chloromethane	1.294	50	62504	17.775	ug/l	98
4) Vinyl Chloride	1.374	62	60879	17.486	ug/l	98
5) Bromomethane	1.617	94	36839	16.283	ug/l	92
6) Chloroethane	1.691	64	36367	16.054	ug/l	99
7) Trichlorofluoromethane	1.886	101	91028	16.263	ug/l	100
8) Diethyl Ether	2.130	74	35200	17.838	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	53987	18.454	ug/l	98
10) Methyl Iodide	2.453	142	58254	15.990	ug/l	94
11) Tert butyl alcohol	2.977	59	71862m	95.110	ug/l	
12) 1,1-Dichloroethene	2.319	96	49480	17.117	ug/l	95
13) Acrolein	2.233	56	80543	103.554	ug/l	99
14) Allyl chloride	2.666	41	99482	17.566	ug/l	97
15) Acrylonitrile	3.062	53	161697	95.074	ug/l	98
16) Acetone	2.386	43	167041	95.485	ug/l	94
17) Carbon Disulfide	2.514	76	113721	15.708	ug/l	98
18) Methyl Acetate	2.703	43	124867	20.089	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	197931	18.493	ug/l	99
20) Methylene Chloride	2.788	84	60051	17.395	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	54362	17.243	ug/l	95
22) Diisopropyl ether	3.757	45	208682	18.262	ug/l	96
23) Vinyl Acetate	3.721	43	760810	93.354	ug/l	96
24) 1,1-Dichloroethane	3.611	63	108313	17.617	ug/l	98
25) 2-Butanone	4.556	43	242865	95.438	ug/l	100
26) 2,2-Dichloropropane	4.471	77	83884	16.590	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	65168	17.445	ug/l	97
28) Bromochloromethane	4.897	49	55494	18.451	ug/l	98
29) Tetrahydrofuran	5.007	42	151741	95.185	ug/l	99
30) Chloroform	5.092	83	114006	18.256	ug/l	98
31) Cyclohexane	5.464	56	95652	18.241	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	96761	18.157	ug/l	99
36) 1,1-Dichloropropene	5.690	75	80758	17.784	ug/l	99
37) Ethyl Acetate	4.715	43	91108	19.188	ug/l	99
38) Carbon Tetrachloride	5.678	117	81660	19.074	ug/l	98
39) Methylcyclohexane	7.379	83	90136	18.693	ug/l	97
40) Benzene	6.037	78	233295	17.897	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	51744	20.039	ug/l	98
42) 1,2-Dichloroethane	6.086	62	97609	18.835	ug/l	99
43) Isopropyl Acetate	6.336	43	149231	18.786	ug/l	100
44) Trichloroethene	7.123	130	61228	18.401	ug/l	98
45) 1,2-Dichloropropane	7.427	63	62332	18.350	ug/l	99
46) Dibromomethane	7.580	93	43415	18.576	ug/l	99
47) Bromodichloromethane	7.818	83	81410	18.858	ug/l	98
48) Methyl methacrylate	7.690	41	75982	19.477	ug/l	97
49) 1,4-Dioxane	7.696	88	31864	396.342	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	469234	99.808	ug/l	99
52) Toluene	8.720	92	148985	17.529	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	84185	18.127	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	94194	18.533	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	61307	19.059	ug/l	98
56) Ethyl methacrylate	9.116	69	96418	19.131	ug/l	98
57) 1,3-Dichloropropane	9.305	76	107448	18.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	271447	105.776	ug/l	99
59) 2-Hexanone	9.427	43	352517	99.136	ug/l	99
60) Dibromochloromethane	9.519	129	58192	18.990	ug/l	100
61) 1,2-Dibromoethane	9.610	107	63249	18.909	ug/l	99
64) Tetrachloroethene	9.275	164	53360	17.807	ug/l	98
65) Chlorobenzene	10.079	112	156640	17.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56145	18.741	ug/l	98
67) Ethyl Benzene	10.195	91	287214	18.198	ug/l	98
68) m/p-Xylenes	10.299	106	217717	36.112	ug/l	98
69) o-Xylene	10.640	106	107000	18.117	ug/l	96
70) Styrene	10.652	104	176188	18.687	ug/l	99
71) Bromoform	10.799	173	37595	18.451	ug/l #	99
73) Isopropylbenzene	10.963	105	276138	18.513	ug/l	99
74) N-amyl acetate	10.841	43	124717	18.597	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	90328	18.477	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	78043m	19.021	ug/l	
77) Bromobenzene	11.195	156	65027	17.594	ug/l	97
78) n-propylbenzene	11.305	91	319518	18.543	ug/l	99
79) 2-Chlorotoluene	11.366	91	200031	18.386	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	235212	18.860	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	21287	15.548	ug/l #	77
82) 4-Chlorotoluene	11.457	91	234864	18.590	ug/l	99
83) tert-Butylbenzene	11.713	119	220476	18.826	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	235047	18.533	ug/l	99
85) sec-Butylbenzene	11.890	105	268180	18.823	ug/l	99
86) p-Isopropyltoluene	12.006	119	226316	19.050	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	125397	18.630	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	125839	17.900	ug/l	99
89) n-Butylbenzene	12.335	91	192412	18.537	ug/l	98
90) Hexachloroethane	12.536	117	33763	18.343	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	123280	18.288	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19747	19.352	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	73020	19.152	ug/l	99
94) Hexachlorobutadiene	13.725	225	30107	17.954	ug/l	99
95) Naphthalene	13.774	128	261377	19.294	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	74510	19.379	ug/l	98

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

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