

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050422\
 Data File : VX028521.D
 Acq On : 04 May 2022 15:05
 Operator : JC/MD
 Sample : VX0504WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/05/2022
 Supervised By : Mahesh Dadoda 05/05/2022

Quant Time: May 05 03:18:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	307016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	483269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	240060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	197553	49.350	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.700%		
35) Dibromofluoromethane	5.385	113	179394	52.932	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.860%		
50) Toluene-d8	8.647	98	629619	48.369	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.740%		
62) 4-Bromofluorobenzene	11.079	95	243692	48.962	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.920%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	46447	23.436	ug/l	100
3) Chloromethane	1.295	50	45044	21.153	ug/l	96
4) Vinyl Chloride	1.374	62	55968	18.083	ug/l	98
5) Bromomethane	1.599	94	75944	23.144	ug/l	98
6) Chloroethane	1.685	64	40485	16.078	ug/l	96
7) Trichlorofluoromethane	1.886	101	103797	15.208	ug/l	99
8) Diethyl Ether	2.130	74	41305	18.158	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	55305	22.245	ug/l	95
10) Methyl Iodide	2.453	142	68025	23.147	ug/l	97
11) Tert butyl alcohol	2.959	59	76874	94.080	ug/l	98
12) 1,1-Dichloroethene	2.319	96	49305	20.897	ug/l	96
13) Acrolein	2.233	56	28085	57.246	ug/l	98
14) Allyl chloride	2.666	41	72294	18.260	ug/l	94
15) Acrylonitrile	3.063	53	168975	103.580	ug/l	99
16) Acetone	2.374	43	137743	111.885	ug/l	93
17) Carbon Disulfide	2.514	76	106626	16.781	ug/l	100
18) Methyl Acetate	2.703	43	75402	21.185	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	198231	20.147	ug/l	95
20) Methylene Chloride	2.788	84	63700	21.446	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	57028	17.772	ug/l	93
22) Diisopropyl ether	3.758	45	172581	19.138	ug/l #	82
23) Vinyl Acetate	3.721	43	743949	94.432	ug/l	100
24) 1,1-Dichloroethane	3.611	63	102655	19.280	ug/l	99
25) 2-Butanone	4.550	43	222219	93.731	ug/l	98
26) 2,2-Dichloropropane	4.471	77	83120	15.989	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	72783	19.023	ug/l	92
28) Bromochloromethane	4.898	49	52147	22.827	ug/l	87
29) Tetrahydrofuran	5.001	42	138955	89.889	ug/l	98
30) Chloroform	5.093	83	119693	18.719	ug/l	93
31) Cyclohexane	5.465	56	80125	16.429	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	100881	17.422	ug/l	98
36) 1,1-Dichloropropene	5.690	75	80053	18.108	ug/l	99
37) Ethyl Acetate	4.715	43	85308	19.018	ug/l	99
38) Carbon Tetrachloride	5.678	117	87489	17.531	ug/l	98
39) Methylcyclohexane	7.379	83	88963	15.949	ug/l	96
40) Benzene	6.038	78	242147	18.712	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	44552	19.250	ug/l	97
42) 1,2-Dichloroethane	6.086	62	87513	18.218	ug/l	99
43) Isopropyl Acetate	6.342	43	134695	18.450	ug/l	98
44) Trichloroethene	7.123	130	71324	19.006	ug/l	99
45) 1,2-Dichloropropane	7.434	63	61438	19.396	ug/l	99
46) Dibromomethane	7.580	93	48422	19.488	ug/l	98
47) Bromodichloromethane	7.824	83	90053	18.857	ug/l	98
48) Methyl methacrylate	7.690	41	63109	18.828	ug/l	93
49) 1,4-Dioxane	7.659	88	32729	365.009	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	454024	96.913	ug/l	97
52) Toluene	8.720	92	164596	18.308	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	88150	17.368	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	97961	17.974	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	73071	20.004	ug/l	98
56) Ethyl methacrylate	9.116	69	102833	19.421	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	114307	19.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	288596	116.164	ug/l	94
59) 2-Hexanone	9.433	43	352201	97.053	ug/l	94
60) Dibromochloromethane	9.525	129	75780	19.030	ug/l	95
61) 1,2-Dibromoethane	9.610	107	75367	18.807	ug/l	98
64) Tetrachloroethene	9.275	164	69382	19.784	ug/l	95
65) Chlorobenzene	10.080	112	187790	19.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	70500	19.771	ug/l	100
67) Ethyl Benzene	10.195	91	315984	19.686	ug/l	97
68) m/p-Xylenes	10.305	106	255529	39.115	ug/l	94
69) o-Xylene	10.640	106	126266	19.386	ug/l	96
70) Styrene	10.659	104	210664	19.964	ug/l	98
71) Bromoform	10.799	173	56017	19.382	ug/l #	99
73) Isopropylbenzene	10.964	105	331254	20.076	ug/l	100
74) N-amyl acetate	10.842	43	113251	19.858	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	116797	21.813	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	100906m	21.358	ug/l	
77) Bromobenzene	11.201	156	85169	19.819	ug/l	92
78) n-propylbenzene	11.305	91	368644	20.148	ug/l	98
79) 2-Chlorotoluene	11.366	91	225727	19.844	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	278030	19.850	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	26866	16.899	ug/l #	85
82) 4-Chlorotoluene	11.457	91	259376	19.795	ug/l	96
83) tert-Butylbenzene	11.720	119	279040	19.510	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	277049	19.899	ug/l	97
85) sec-Butylbenzene	11.890	105	334164	19.366	ug/l	98
86) p-Isopropyltoluene	12.012	119	288155	19.358	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	162886	20.173	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	165992	19.579	ug/l	100
89) n-Butylbenzene	12.335	91	231421	18.933	ug/l	97
90) Hexachloroethane	12.543	117	44926	17.978	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	164707	20.534	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23614	19.831	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	98684	20.685	ug/l	99
94) Hexachlorobutadiene	13.725	225	42365	19.900	ug/l	93
95) Naphthalene	13.780	128	339897	21.387	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	98480	21.030	ug/l	97

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

