

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012070.D
 Acq On : 05 Sep 2019 00:33
 Operator : SY/SP
 Sample : VX0904SBSD02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD02

Manual Integrations
 APPROVED

sam
 9/5/2019 2:56:06 PM

Quant Time: Sep 05 06:00:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	117085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	230968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103863	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	91830	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
35) Dibromofluoromethane	5.48	113	72127	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	8.71	98	266387	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	117876	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	19655	18.204	ug/l	91
3) Chloromethane	1.31	50	21469	19.415	ug/l	99
4) Vinyl Chloride	1.39	62	20235	19.450	ug/l	94
5) Bromomethane	1.62	94	10202	19.768	ug/l	97
6) Chloroethane	1.70	64	12851	19.870	ug/l	98
7) Trichlorofluoromethane	1.91	101	29497	18.255	ug/l	100
8) Diethyl Ether	2.17	74	12248	21.934	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22436	18.746	ug/l #	83
10) Methyl Iodide	2.50	142	14885	17.556	ug/l	92
11) Tert butyl alcohol	3.04	59	17841	114.975	ug/l	96
12) 1,1-Dichloroethene	2.36	96	21364	18.530	ug/l	92
13) Acrolein	2.28	56	5395	121.527	ug/l	94
14) Allyl chloride	2.71	41	42128	20.194	ug/l	99
15) Acrylonitrile	3.13	53	38886	110.822	ug/l	98
16) Acetone	2.43	43	35327	91.485	ug/l	92
17) Carbon Disulfide	2.55	76	55804	16.562	ug/l	98
18) Methyl Acetate	2.76	43	24190	26.592	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	83961	22.369	ug/l	99
20) Methylene Chloride	2.84	84	32043	20.664	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	26096	19.288	ug/l	89
22) Diisopropyl ether	3.84	45	94674	22.265	ug/l	98
23) Vinyl Acetate	3.80	43	276121	100.383	ug/l	99
24) 1,1-Dichloroethane	3.68	63	52233	21.180	ug/l	99
25) 2-Butanone	4.66	43	53054	107.935	ug/l	99
26) 2,2-Dichloropropane	4.56	77	38894	17.082	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	32968	20.788	ug/l	93
28) Bromochloromethane	5.00	49	23261	23.629	ug/l #	80
29) Tetrahydrofuran	5.12	42	32789	110.717	ug/l	98
30) Chloroform	5.19	83	57049	21.559	ug/l	97
31) Cyclohexane	5.56	56	35424	17.885	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	47054	20.416	ug/l	97
36) 1,1-Dichloropropene	5.79	75	35375	17.390	ug/l	94
37) Ethyl Acetate	4.83	43	22656	20.481	ug/l	98
38) Carbon Tetrachloride	5.77	117	37929	17.694	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38441	16.282	ug/l	97
40) Benzene	6.13	78	110675	18.951	ug/l	99
41) Methacrylonitrile	5.03	41	13622	20.649	ug/l	94
42) 1,2-Dichloroethane	6.18	62	44643	21.243	ug/l	97
43) Isopropyl Acetate	6.44	43	46606	20.720	ug/l	99
44) Trichloroethene	7.20	130	29420	18.678	ug/l	81
45) 1,2-Dichloropropane	7.51	63	30407	20.153	ug/l	100
46) Dibromomethane	7.65	93	17585	19.965	ug/l #	75
47) Bromodichloromethane	7.89	83	44711	19.970	ug/l	95
48) Methyl methacrylate	7.76	41	23487	20.767	ug/l	95
49) 1,4-Dioxane	7.73	88	6594	427.699	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	120611	105.423	ug/l	99
52) Toluene	8.78	92	71631	18.852	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	42850	18.487	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	48675	18.884	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	26062	20.696	ug/l	98
56) Ethyl methacrylate	9.17	69	36600	20.291	ug/l	97
57) 1,3-Dichloropropane	9.37	76	44580	20.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	85031	104.566	ug/l	94
59) 2-Hexanone	9.49	43	85350	102.240	ug/l	97
60) Dibromochloromethane	9.57	129	30400	20.256	ug/l	99
61) 1,2-Dibromoethane	9.67	107	24468	20.109	ug/l	98
64) Tetrachloroethene	9.33	164	27840	20.726	ug/l #	89
65) Chlorobenzene	10.14	112	81756	19.232	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	30563	19.662	ug/l	97
67) Ethyl Benzene	10.25	91	144553	18.655	ug/l	96
68) m/p-Xylenes	10.36	106	105293	36.880	ug/l	89
69) o-Xylene	10.70	106	52075	18.810	ug/l	88
70) Styrene	10.71	104	92567	19.250	ug/l	95
71) Bromoform	10.86	173	16618	19.465	ug/l #	100
73) Isopropylbenzene	11.01	105	139687	18.330	ug/l	97
74) N-amyl acetate	10.89	43	43172	19.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	32109	20.211	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	24351m	19.188	ug/l	
77) Bromobenzene	11.25	156	34392	20.179	ug/l	69
78) n-propylbenzene	11.35	91	164266	17.842	ug/l	95
79) 2-Chlorotoluene	11.42	91	104550	18.745	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	125846	18.844	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	8806	16.405	ug/l	91
82) 4-Chlorotoluene	11.51	91	129551	19.487	ug/l	89
83) tert-Butylbenzene	11.76	119	118096	18.553	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	127845	18.626	ug/l	96
85) sec-Butylbenzene	11.94	105	143937	18.206	ug/l	93
86) p-Isopropyltoluene	12.06	119	130008	18.082	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	66184	19.379	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	66837	19.573	ug/l	94
89) n-Butylbenzene	12.39	91	124488	17.824	ug/l	96
90) Hexachloroethane	12.59	117	26291	18.313	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	61624	20.035	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6596	19.841	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	39866	18.210	µg/l	96
94) Hexachlorobutadiene	13.78	225	19864	18.000	µg/l	98
95) Naphthalene	13.83	128	92273	19.474	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	36109	18.748	µg/l	94

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

