

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012121.D
 Acq On : 06 Sep 2019 01:56
 Operator : SY/SP
 Sample : VX0905SBSD02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:52 PM

Quant Time: Sep 06 07:19:21 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	111420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	221375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	86605	56.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.66%	
35) Dibromofluoromethane	5.48	113	66689	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.71	98	245961	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.14	95	108872	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18971	18.464	ug/l	95
3) Chloromethane	1.31	50	20391	19.378	ug/l	95
4) Vinyl Chloride	1.40	62	18538	18.725	ug/l	98
5) Bromomethane	1.62	94	9995	20.352	ug/l	99
6) Chloroethane	1.70	64	12664	20.577	ug/l	99
7) Trichlorofluoromethane	1.91	101	29055	18.895	ug/l	95
8) Diethyl Ether	2.17	74	11859	22.317	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	20395	17.907	ug/l #	84
10) Methyl Iodide	2.50	142	14230	17.604	ug/l	93
11) Tert butyl alcohol	3.04	59	16521	111.881	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	19573	17.840	ug/l	90
13) Acrolein	2.28	56	4899	113.844	ug/l	94
14) Allyl chloride	2.71	41	40022	20.160	ug/l	98
15) Acrylonitrile	3.13	53	36515	109.356	ug/l	97
16) Acetone	2.43	43	33574	91.366	ug/l	100
17) Carbon Disulfide	2.55	76	50508	15.752	ug/l	98
18) Methyl Acetate	2.76	43	21842	25.232	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	78891	22.087	ug/l	96
20) Methylene Chloride	2.84	84	29026	19.671	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	23608	18.337	ug/l	90
22) Diisopropyl ether	3.84	45	89706	22.169	ug/l	96
23) Vinyl Acetate	3.80	43	270744	103.432	ug/l	97
24) 1,1-Dichloroethane	3.68	63	49011	20.884	ug/l	98
25) 2-Butanone	4.67	43	50099	107.105	ug/l	94
26) 2,2-Dichloropropane	4.57	77	35783	16.515	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	30784	20.398	ug/l	93
28) Bromochloromethane	5.00	49	22313	23.818	ug/l #	79
29) Tetrahydrofuran	5.11	42	31455	111.613	ug/l	98
30) Chloroform	5.19	83	53666	21.311	ug/l	97
31) Cyclohexane	5.56	56	32007	16.982	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	43547	19.855	ug/l	96
36) 1,1-Dichloropropene	5.78	75	32583	16.711	ug/l	96
37) Ethyl Acetate	4.82	43	21825	20.585	ug/l #	85
38) Carbon Tetrachloride	5.77	117	36162	17.601	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	34461	15.228	ug/l	96
40) Benzene	6.13	78	103806	18.545	ug/l	98
41) Methacrylonitrile	5.03	41	13643	21.577	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42497	21.098	ug/l	97
43) Isopropyl Acetate	6.43	43	46079	21.374	ug/l	98
44) Trichloroethene	7.21	130	27243	18.045	ug/l	87
45) 1,2-Dichloropropane	7.51	63	28021	19.376	ug/l	98
46) Dibromomethane	7.65	93	16361	19.380	ug/l #	74
47) Bromodichloromethane	7.89	83	42075	19.607	ug/l	98
48) Methyl methacrylate	7.76	41	22252	20.528	ug/l	96
49) 1,4-Dioxane	7.73	88	6061	410.164	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	116613	106.345	ug/l	97
52) Toluene	8.78	92	66483	18.255	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	39628	17.838	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	44240	17.907	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	24070	19.943	ug/l	97
56) Ethyl methacrylate	9.17	69	34295	19.837	ug/l	95
57) 1,3-Dichloropropane	9.37	76	41500	19.926	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	84694	108.665	ug/l	94
59) 2-Hexanone	9.48	43	80593	100.725	ug/l	98
60) Dibromochloromethane	9.57	129	28110	19.542	ug/l	97
61) 1,2-Dibromoethane	9.67	107	22926	19.658	ug/l	99
64) Tetrachloroethene	9.33	164	26302	20.585	ug/l #	86
65) Chlorobenzene	10.14	112	75769	18.737	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	28182	19.060	ug/l	97
67) Ethyl Benzene	10.24	91	134013	18.181	ug/l	97
68) m/p-Xylenes	10.35	106	97751	35.993	ug/l	89
69) o-Xylene	10.70	106	48003	18.228	ug/l	86
70) Styrene	10.71	104	85825	18.763	ug/l	94
71) Bromoform	10.85	173	14770	18.187	ug/l #	99
73) Isopropylbenzene	11.01	105	132059	18.311	ug/l	96
74) N-amyl acetate	10.89	43	42052	19.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	30567	20.331	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	27014m	22.493	ug/l	
77) Bromobenzene	11.25	156	31722	19.667	ug/l	69
78) n-propylbenzene	11.35	91	156324	17.942	ug/l	94
79) 2-Chlorotoluene	11.42	91	99092	18.773	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	116911	18.498	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	8137	16.018	ug/l	89
82) 4-Chlorotoluene	11.51	91	118854	18.891	ug/l	93
83) tert-Butylbenzene	11.76	119	110372	18.323	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	121592	18.719	ug/l	95
85) sec-Butylbenzene	11.94	105	134815	18.018	ug/l	93
86) p-Isopropyltoluene	12.06	119	120869	17.763	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	60679	18.774	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	62377	19.302	ug/l	91
89) n-Butylbenzene	12.38	91	115309	17.445	ug/l	96
90) Hexachloroethane	12.59	117	24361	17.931	ug/l	54
91) 1,2-Dichlorobenzene	12.38	146	57331	19.696	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5798	18.428	ug/l	65

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	37785	18.237	µg/l	96
94) Hexachlorobutadiene	13.78	225	18484	17.699	µg/l	98
95) Naphthalene	13.83	128	83667	18.659	µg/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	33495	18.376	µg/l	95

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

