

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012171.D
 Acq On : 07 Sep 2019 11:14
 Operator : SY/SP
 Sample : VX0907SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:18:56 AM

Quant Time: Sep 08 08:00:15 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	145198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	254106	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	103858	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	5.48	113	85856	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
50) Toluene-d8	8.71	98	324801	56.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.28%	
62) 4-Bromofluorobenzene	11.13	95	139817	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	26654	19.906	ug/l	99
3) Chloromethane	1.31	50	26025	18.979	ug/l	100
4) Vinyl Chloride	1.40	62	24728	19.167	ug/l	97
5) Bromomethane	1.62	94	11703	18.286	ug/l	96
6) Chloroethane	1.71	64	15884	19.805	ug/l	98
7) Trichlorofluoromethane	1.92	101	43137	21.527	ug/l	98
8) Diethyl Ether	2.17	74	12806	18.493	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24471	16.488	ug/l #	83
10) Methyl Iodide	2.50	142	17595	17.061	ug/l	93
11) Tert butyl alcohol	3.03	59	14660	76.183	ug/l	96
12) 1,1-Dichloroethene	2.36	96	21715	15.188	ug/l	89
13) Acrolein	2.28	56	5443	89.866	ug/l	96
14) Allyl chloride	2.72	41	49098	18.978	ug/l	97
15) Acrylonitrile	3.12	53	35836	82.356	ug/l	98
16) Acetone	2.43	43	40053	83.641	ug/l	95
17) Carbon Disulfide	2.56	76	66375	15.885	ug/l	99
18) Methyl Acetate	2.76	43	19876	17.619	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	80731	17.344	ug/l	98
20) Methylene Chloride	2.84	84	32466	16.883	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	30293	18.055	ug/l	90
22) Diisopropyl ether	3.84	45	99095	18.792	ug/l	95
23) Vinyl Acetate	3.80	43	293593	86.069	ug/l	96
24) 1,1-Dichloroethane	3.68	63	57104	18.672	ug/l	99
25) 2-Butanone	4.65	43	50534	82.902	ug/l	96
26) 2,2-Dichloropropane	4.56	77	58130	20.587	ug/l	94
27) cis-1,2-Dichloroethene	4.58	96	35649	18.126	ug/l	90
28) Bromochloromethane	5.00	49	24637	20.181	ug/l #	80
29) Tetrahydrofuran	5.12	42	28499	77.599	ug/l	98
30) Chloroform	5.19	83	62647	19.090	ug/l	97
31) Cyclohexane	5.56	56	47003	19.136	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	58560	20.489	ug/l	96
36) 1,1-Dichloropropene	5.79	75	44016	19.667	ug/l	95
37) Ethyl Acetate	4.82	43	20376	16.743	ug/l	96
38) Carbon Tetrachloride	5.77	117	48189	20.434	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	50273	19.354	ug/l	95
40) Benzene	6.13	78	121938	18.979	ug/l	100
41) Methacrylonitrile	5.03	41	12807	17.646	ug/l	96
42) 1,2-Dichloroethane	6.18	62	45207	19.552	ug/l	98
43) Isopropyl Acetate	6.43	43	42309	17.097	ug/l	99
44) Trichloroethene	7.20	130	34161	19.713	ug/l	87
45) 1,2-Dichloropropane	7.50	63	30983	18.665	ug/l	97
46) Dibromomethane	7.65	93	17368	17.923	ug/l #	72
47) Bromodichloromethane	7.89	83	47521	19.293	ug/l	99
48) Methyl methacrylate	7.76	41	21462	17.249	ug/l	96
49) 1,4-Dioxane	7.73	88	5426	319.894	ug/l #	87
51) 4-Methyl-2-Pentanone	8.64	43	111083	88.253	ug/l	97
52) Toluene	8.78	92	80206	19.186	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	46190	18.113	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	53023	18.698	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	24958	18.015	ug/l	97
56) Ethyl methacrylate	9.17	69	34040	17.154	ug/l	95
57) 1,3-Dichloropropane	9.37	76	44318	18.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	81180	90.740	ug/l	93
59) 2-Hexanone	9.48	43	82209	89.510	ug/l	95
60) Dibromochloromethane	9.57	129	29702	17.989	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24064	17.976	ug/l	96
64) Tetrachloroethene	9.33	164	28803	20.102	ug/l	88
65) Chlorobenzene	10.14	112	88230	19.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	32292	19.475	ug/l	97
67) Ethyl Benzene	10.25	91	164509	19.902	ug/l	97
68) m/p-Xylenes	10.36	106	121462	39.883	ug/l	88
69) o-Xylene	10.70	106	58225	19.716	ug/l	90
70) Styrene	10.71	104	100220	19.538	ug/l	95
71) Bromoform	10.85	173	15328	16.831	ug/l #	97
73) Isopropylbenzene	11.01	105	164729	19.329	ug/l	97
74) N-amyl acetate	10.89	43	41897	16.627	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	29810	16.778	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	27112m	19.103	ug/l	
77) Bromobenzene	11.25	156	35638	18.697	ug/l	69
78) n-propylbenzene	11.35	91	198134	19.244	ug/l	94
79) 2-Chlorotoluene	11.42	91	119881	19.219	ug/l	89
80) 1,3,5-Trimethylbenzene	11.50	105	147110	19.697	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9499	15.824	ug/l	91
82) 4-Chlorotoluene	11.51	91	145101	19.517	ug/l	91
83) tert-Butylbenzene	11.76	119	142701	20.047	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	146324	19.063	ug/l	94
85) sec-Butylbenzene	11.94	105	178158	20.150	ug/l	93
86) p-Isopropyltoluene	12.06	119	158106	19.663	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	72665	19.026	ug/l	91
88) 1,4-Dichlorobenzene	12.09	146	73478	19.240	ug/l	93
89) n-Butylbenzene	12.39	91	155116	19.859	ug/l	96
90) Hexachloroethane	12.59	117	29678	18.485	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	66586	19.358	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6113	16.442	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	46669	19.062	ug/l	96
94) Hexachlorobutadiene	13.78	225	25789	20.896	ug/l	96
95) Naphthalene	13.83	128	90047	16.994	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	40042	18.590	ug/l	96

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

