

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000445.D
 Acq On : 25 Oct 2019 21:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:38:45 PM

Quant Time: Oct 26 03:19:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	174282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	276999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	142945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	103364	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	
35) Dibromofluoromethane	7.74	113	92847	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.19	98	351022	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.48	95	131010	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	52928	37.345	ug/l	97
3) Chloromethane	2.11	50	100114	47.009	ug/l	99
4) Vinyl Chloride	2.26	62	87771	40.837	ug/l	96
5) Bromomethane	2.65	94	61480	38.597	ug/l	97
6) Chloroethane	2.79	64	63292	45.639	ug/l	97
7) Trichlorofluoromethane	3.13	101	137363	46.722	ug/l	99
8) Diethyl Ether	3.53	74	56474	54.374	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	85436	47.917	ug/l	99
10) Methyl Iodide	4.10	142	88630	35.257	ug/l	97
11) Tert butyl alcohol	4.97	59	50801	264.052	ug/l	99
12) 1,1-Dichloroethene	3.88	96	81765	46.452	ug/l	94
13) Acrolein	3.74	56	69823	309.557	ug/l	98
14) Allyl chloride	4.49	41	147684	50.629	ug/l	98
15) Acrylonitrile	5.18	53	168396	289.672	ug/l	98
16) Acetone	3.96	43	149401	250.945	ug/l	98
17) Carbon Disulfide	4.20	76	219042	39.524	ug/l	99
18) Methyl Acetate	4.49	43	87143	58.911	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	291701	59.531	ug/l	98
20) Methylene Chloride	4.72	84	113781	57.542	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	99733	49.386	ug/l	90
22) Diisopropyl ether	6.13	45	360783	58.479	ug/l	96
23) Vinyl Acetate	6.08	43	1122668	278.932	ug/l	100
24) 1,1-Dichloroethane	6.03	63	182845	54.296	ug/l	98
25) 2-Butanone	7.00	43	231095	275.552	ug/l	97
26) 2,2-Dichloropropane	7.00	77	149785	48.270	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	120683	55.227	ug/l	96
28) Bromochloromethane	7.35	49	84418	58.395	ug/l	97
29) Tetrahydrofuran	7.36	42	146629	288.491	ug/l	98
30) Chloroform	7.52	83	191659	56.514	ug/l	98
31) Cyclohexane	7.80	56	151189	42.986	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	162036	53.743	ug/l	99
36) 1,1-Dichloropropene	7.93	75	136076	47.273	ug/l	98
37) Ethyl Acetate	7.09	43	95460	56.008	ug/l	98
38) Carbon Tetrachloride	7.91	117	137994	49.512	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	169728	45.052	ug/l	95
40) Benzene	8.17	78	427229	51.359	ug/l	99
41) Methacrylonitrile	7.33	41	44652m	55.037	ug/l	
42) 1,2-Dichloroethane	8.25	62	133929	56.363	ug/l	99
43) Isopropyl Acetate	8.28	43	182528	56.322	ug/l	99
44) Trichloroethene	8.95	130	113697	48.712	ug/l	100
45) 1,2-Dichloropropane	9.23	63	114907	56.288	ug/l	96
46) Dibromomethane	9.31	93	64171	56.232	ug/l	97
47) Bromodichloromethane	9.50	83	155959	57.990	ug/l	96
48) Methyl methacrylate	9.30	41	85399	60.128	ug/l	96
49) 1,4-Dioxane	9.30	88	18017	1052.976	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	496101	296.796	ug/l	100
52) Toluene	10.25	92	279420	52.907	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	162123	56.249	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	180823	55.243	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	96951	58.431	ug/l	96
56) Ethyl methacrylate	10.52	69	139107	58.819	ug/l	97
57) 1,3-Dichloropropane	10.80	76	165743	58.165	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	315146	334.080	ug/l	99
59) 2-Hexanone	10.84	43	355566	303.057	ug/l	98
60) Dibromochloromethane	10.99	129	111404	60.577	ug/l	96
61) 1,2-Dibromoethane	11.09	107	94428	59.272	ug/l	98
64) Tetrachloroethene	10.72	164	121100	45.922	ug/l	97
65) Chlorobenzene	11.52	112	301308	51.542	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	111452	54.273	ug/l	100
67) Ethyl Benzene	11.59	91	544577	50.252	ug/l	99
68) m/p-Xylenes	11.70	106	411540	99.338	ug/l	97
69) o-Xylene	12.03	106	203266	51.432	ug/l	99
70) Styrene	12.05	104	353368	53.017	ug/l	99
71) Bromoform	12.21	173	69186	58.607	ug/l #	95
73) Isopropylbenzene	12.33	105	537689	48.241	ug/l	99
74) N-amyl acetate	12.14	43	169216	61.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	117975	56.374	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	73013m	41.538	ug/l	
77) Bromobenzene	12.61	156	128373	51.759	ug/l	96
78) n-propylbenzene	12.67	91	650551	48.613	ug/l	99
79) 2-Chlorotoluene	12.76	91	364664	49.342	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	457728	48.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	39443	49.097	ug/l	96
82) 4-Chlorotoluene	12.85	91	391228	50.079	ug/l	100
83) tert-Butylbenzene	13.08	119	389323	49.190	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	462420	50.131	ug/l	100
85) sec-Butylbenzene	13.25	105	558522	48.781	ug/l	99
86) p-Isopropyltoluene	13.37	119	497720	49.862	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	249913	51.141	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	251323	51.454	ug/l	97
89) n-Butylbenzene	13.70	91	472488	47.899	ug/l	100
90) Hexachloroethane	13.96	117	96011	51.944	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	232656	52.608	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20540	51.751	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	151723	49.276	ug/l	99
94) Hexachlorobutadiene	15.11	225	80066	48.051	ug/l	100
95) Naphthalene	15.23	128	364536	53.052	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	145922	52.585	ug/l	97

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

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