

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000379.D
 Acq On : 23 Oct 2019 14:28
 Operator : SY/MD
 Sample : VY1023SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:30:16 PM

Quant Time: Oct 24 04:59:04 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	238328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	395869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	345455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	172813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	130064	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
35) Dibromofluoromethane	7.73	113	111943	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
50) Toluene-d8	10.19	98	453326	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.48	95	162879	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	46848	22.487	ug/l	96
3) Chloromethane	2.12	50	74376	25.539	ug/l	100
4) Vinyl Chloride	2.25	62	62029	21.104	ug/l	98
5) Bromomethane	2.63	94	35316	16.213	ug/l	94
6) Chloroethane	2.79	64	39488	20.823	ug/l	99
7) Trichlorofluoromethane	3.13	101	85707	21.318	ug/l	100
8) Diethyl Ether	3.53	74	31398	22.107	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	52849	21.675	ug/l	99
10) Methyl Iodide	4.10	142	49459	15.090	ug/l	99
11) Tert butyl alcohol	4.97	59	26971	102.516	ug/l	99
12) 1,1-Dichloroethene	3.88	96	49816	20.696	ug/l	97
13) Acrolein	3.74	56	21897	70.991	ug/l	95
14) Allyl chloride	4.49	41	86152	21.598	ug/l	99
15) Acrylonitrile	5.17	53	81034	101.934	ug/l	96
16) Acetone	3.96	43	79287	97.388	ug/l	99
17) Carbon Disulfide	4.19	76	150526	19.862	ug/l	100
18) Methyl Acetate	4.49	43	40919	20.229	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	146313	21.835	ug/l	99
20) Methylene Chloride	4.72	84	65697	20.772	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	58688	21.251	ug/l	92
22) Diisopropyl ether	6.13	45	180486	21.393	ug/l	96
23) Vinyl Acetate	6.07	43	567391	103.088	ug/l	99
24) 1,1-Dichloroethane	6.03	63	98724	21.438	ug/l	99
25) 2-Butanone	7.00	43	117519	102.470	ug/l	96
26) 2,2-Dichloropropane	7.00	77	92152	21.717	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	64325	21.526	ug/l	99
28) Bromochloromethane	7.35	49	37094	18.764	ug/l	96
29) Tetrahydrofuran	7.36	42	71715	103.181	ug/l	98
30) Chloroform	7.52	83	99405	21.435	ug/l	99
31) Cyclohexane	7.79	56	100035	20.798	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	90493	21.948	ug/l	99
36) 1,1-Dichloropropene	7.93	75	83252	21.480	ug/l	98
37) Ethyl Acetate	7.09	43	46273	20.163	ug/l	98
38) Carbon Tetrachloride	7.91	117	78703	20.972	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	104358	20.573	ug/l	95
40) Benzene	8.17	78	234566	20.942	ug/l	100
41) Methacrylonitrile	7.33	41	18325m	16.775	ug/l	
42) 1,2-Dichloroethane	8.25	62	69859	21.835	ug/l	100
43) Isopropyl Acetate	8.28	43	88356	20.248	ug/l	98
44) Trichloroethene	8.95	130	66215	21.069	ug/l	95
45) 1,2-Dichloropropane	9.23	63	58889	21.424	ug/l	95
46) Dibromomethane	9.31	93	33479	21.788	ug/l	96
47) Bromodichloromethane	9.50	83	76877	21.230	ug/l	98
48) Methyl methacrylate	9.30	41	37361	19.536	ug/l	95
49) 1,4-Dioxane	9.30	88	9995	433.833	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	237884	105.696	ug/l	100
52) Toluene	10.25	92	148828	20.929	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	82147	21.167	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	94560	21.455	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	48189	21.570	ug/l	94
56) Ethyl methacrylate	10.51	69	65026	20.420	ug/l	96
57) 1,3-Dichloropropane	10.79	76	81199	21.163	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	150663	118.617	ug/l	99
59) 2-Hexanone	10.83	43	176016	111.419	ug/l	99
60) Dibromochloromethane	10.99	129	53627	21.657	ug/l	94
61) 1,2-Dibromoethane	11.09	107	45657	21.284	ug/l	98
64) Tetrachloroethene	10.72	164	68678	20.883	ug/l	98
65) Chlorobenzene	11.52	112	159727	21.909	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	55481	21.663	ug/l	99
67) Ethyl Benzene	11.60	91	288354	21.336	ug/l	96
68) m/p-Xylenes	11.70	106	219955	42.572	ug/l	99
69) o-Xylene	12.03	106	107158	21.741	ug/l	95
70) Styrene	12.05	104	175116	21.067	ug/l	99
71) Bromoform	12.21	173	30844	20.950	ug/l #	99
73) Isopropylbenzene	12.33	105	282209	20.943	ug/l	99
74) N-amyl acetate	12.14	43	77806	23.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	51978	20.545	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	43052m	20.260	ug/l	
77) Bromobenzene	12.61	156	65447	21.827	ug/l	93
78) n-propylbenzene	12.67	91	343799	21.250	ug/l	100
79) 2-Chlorotoluene	12.75	91	189607	21.221	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	238483	21.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19968	20.560	ug/l	95
82) 4-Chlorotoluene	12.85	91	198307	20.997	ug/l	99
83) tert-Butylbenzene	13.08	119	206894	21.623	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	237627	21.309	ug/l	99
85) sec-Butylbenzene	13.25	105	295991	21.384	ug/l	99
86) p-Isopropyltoluene	13.37	119	260216	21.563	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	126340	21.385	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	128433	21.750	ug/l	99
89) n-Butylbenzene	13.70	91	253811	21.283	ug/l	99
90) Hexachloroethane	13.96	117	47795	21.389	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	117126	21.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9274	19.328	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	81003	21.761	ug/l	97
94) Hexachlorobutadiene	15.11	225	42079	20.889	ug/l	96
95) Naphthalene	15.23	128	178387	21.474	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	74580	22.231	ug/l	99

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

